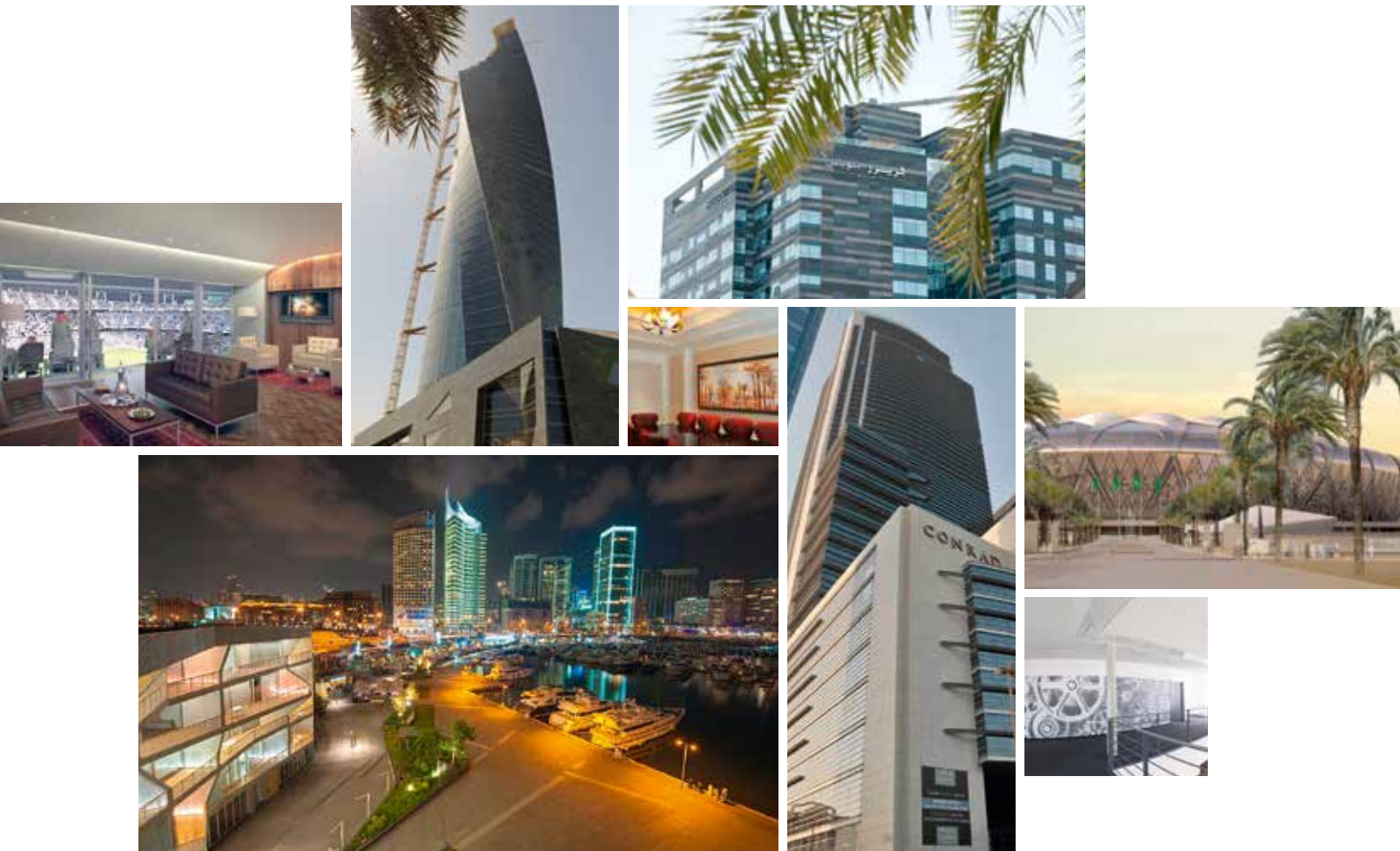




The worldwide **STANDARD** for home and building control



# JOURNAL

## 2/2015

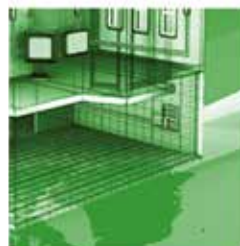
25 Years of KNX 1990 – 2015  
KNX in the Middle East  
New ETS Apps  
New KNX Products



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**Wireless**



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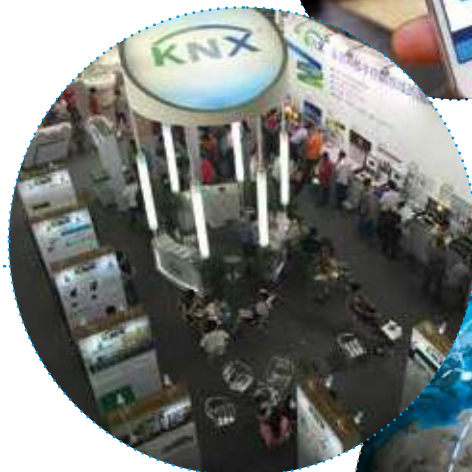
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# Full speed ahead!



**Heinz Lux**  
CEO, KNX Association

*A Chinese proverb goes: “It is easy to open a shop; it is difficult to keep it open.” By now after a quarter of a century we have impressively demonstrated: Yes, we can.*

*In 1990 it was highly visionary to revolutionize the established, classical electrical installation, to bear in mind energy efficient buildings or even KNX city. Today we can be proud of bringing together 25 years of quality and quantity into KNX. To be present in 125 countries and to act professionally. To be trustfully associated with nearly 400 manufacturers from 38 countries and to cooperate with 47.000 certified KNX Partners from 135 countries in a competent and cooperative manner.*

Worldwide no other intelligent system did penetrate Home and Building Control as comprehensively and economically as KNX. We are 25 years young and point the way for innovation and continuous improvement. The vision has become reality.

You, our partners in craft sector, industry and trade, have contributed considerably to it. You, we all together, have paved the way for the unique worldwide standard for Home and Building Control and have brought it to what it is today: The No. 1.

way is too long with a good friend by your side”.

But first of all we want to celebrate what has already been achieved and dare to take a look into the future. On the occasion of 25 years KNX we will celebrate in more than 40 countries the worldwide KNX city event on October 20<sup>th</sup>. Celebrate with us and obtain new perspectives on the KNX technology. You will find more information under <http://knxis25.knx.org>.

While doing so, we have our eyes firmly on the common fu-

“

**Today we can be proud of bringing together 25 years of quality and quantity into KNX. To be present in 125 countries and to act professionally.**

”

KNX would not be KNX, if we did not have already new visions, new targets. In this issue of the KNX Journal our KNX board members have clearly expressed what they expect us to do. There is still a long way to go, but “no

ture, because – as Confucius said – “who fails to think about the distant future will regret it in the near future”.

The next 25 years are waiting. Therefore: Full speed ahead.

# Historical moment for KNX

**KNX celebrates 25<sup>th</sup> birthday  
with biggest ever global event in building automation**

**KNX Association, the creator and owner of KNX technology, is celebrating the 25<sup>th</sup> birthday of the worldwide STANDARD for home and building control by launching “KNX Day”. Organised by the international KNX community, “KNX Day” will be the largest ever, global event for the building automation sector and is synchronised to take place in more than 40 countries on Tuesday 20<sup>th</sup> October 2015.**

“KNX Day recognises our landmark achievement in reaching this 25 year milestone and also looks forward to dynamic, new solutions, such as, the KNX city initiative for smart cities,” comments Franz-Josef Kammerl, President of KNX Association. “On Tuesday 20<sup>th</sup> October, KNX communities in multiple countries across the globe host a variety of special activities tailored to the demands of local installers, specifiers and end-users. These will showcase the significant capabilities and benefits of KNX technology and embrace tens of thousands of people worldwide. It is a unique, exciting and, above all, an historic moment for KNX.”

The KNX story began in 1990 with the vision to “revolutionise classical, electrical installation techniques and become a system for the realisation of smart homes and buildings”.

Since this time, KNX has transformed residential, commercial, public and industrial building automation applications. The standard provides an open, reliable and easy to install approach for controlling lighting,



blinds, security, heating, ventilation, air conditioning, (HVAC), water supply and irrigation, energy management, smart metering, fault finding and remote monitoring systems as well as household appliances, audio-video technology and more.

Today, almost 400 manufacturers from 38 countries develop and supply compatible devices and technologies for over 7,000 certified KNX product groups to a customer base of more than 47,000 KNX certified installers, operating in over 135 countries across the globe.

In 2015, KNX continues to lead the sector with the development of ground-breaking concepts and market-changing technology applications. For example, KNX city demonstrates the potential of deploying the standard to provide a combined solution for buildings, infrastructure, mobility and energy generation. Other initiatives include the devel-

opment of KNX Secure for ensuring higher security in home and building control; the implementation of RF within KNX's ETS commissioning tool; the increasing simplicity of KNX configuration via smartphones and tablets and using KNX to harness the power of big data and the “Internet of Things”.

KNX Training Centres, Scientific Partners, Userclubs and Professionals, as well as KNX National Groups are co-ordinating a range of activities to mark the biggest day in the history of KNX. Highlights from these programmes will include dedicated project showcases, technology presentations and training opportunities, award recognition for prestigious KNX installations, networking events and commemorative promotions and incentives, such as, free ETS commissioning tool licenses.

“As building automation continues to evolve, so too does KNX,” adds Franz-Josef Kammerl. “KNX Day shows how we are moving forward to meet market demands and opportunities for future growth in the sector. In this way, KNX will retain its leadership position, continue to support and nurture its community and remain the right automation technology choice for the next 25 years, and beyond.”

More information about the 25<sup>th</sup> anniversary of KNX together with details of the events taking place as part of KNX Day can be found at <http://knxis25.knx.org>. Places for each event are limited, so registration via the website should be made as soon as possible.

<http://knxis25.knx.org>

Follow KNX Day on twitter @KNXAssociation using hashtag #KNXis25  
and Facebook [www.facebook.com/KNXAssociation](http://www.facebook.com/KNXAssociation).

# Trend-setting in innovation . . .

*In celebration of 25 years of KNX, we interviewed the members of the KNX Executive Board to find out their views on the standard's recent successes and the one thing they would like to achieve for KNX above all else.*

## **Dr. Matthias Bölke**

*CEO of Schneider-Electric  
Schweiz AG,  
CEO of Feller AG, and  
National Group President  
of Switzerland & Austria*



“ **Incorporating KNX RF within ETS facilitates integration and provides a better overview.** ”

With the integration of KNX RF directly in ETS, the application range of KNX has been increased significantly. The renovation market in Europe is one of the biggest and most important, but with KNX TP, it has not been as easy as the KNX RF to retrofit existing buildings. Incorporating KNX RF within ETS facilitates integration and provides a better overview.

The fact that KNX technology has become the standard over the past 25 years is beyond doubt. Nevertheless, it is obvious that with the growing number of users, different requirements are increasing too. For this reason, I hope that even more vendors design their products for KNX so that we benefit from more flexibility and a greater range of functions.

To ensure the success of KNX, more electricians must adopt the technology as standard in their product range. To achieve this, we need a more approachable entry level into the technology.

## **Dirk Giersiepen**

*Managing Partner,  
Gira Giersiepen  
GmbH & Co. KG*



“ **The focus will be on simpler commissioning concepts, on greater flexibility and on increased security.** ”

On a personal level, I can trace the KNX success story back to 1991. Its triumph over other bus systems, internationally, is very impressive, particularly in commercial buildings, and its development into a worldwide standard is evidenced by its growing community. We now have over 47,000 KNX Partners in 135 countries, 348 training centres in 57 countries, and 16 Userclubs in 15 countries. There is no reason why this trend should not continue, especially given that we now have almost 400 manufacturers worldwide who have opted for KNX.

I would like to see the success that KNX has had in commercial buildings, thanks to simplified engineering and commissioning, and user-friendliness, extend into the residential sector. I am sure that the introduction of the wireless solution KNX RF will help, and I would also like to see more control put in the hands of the end-user.

The future is likely to be more diverse, and the need for the different trades involved in a building to be able to network properly, will increase. The focus will be on simpler commissioning concepts, on greater flexibility and on increased security. It is important therefore, to accommodate greater functionality by continually developing the KNX standard, whilst at the same time ensuring a firm regulatory framework in order to guarantee reliable interoperability between different products.

# ... and continuous improvement



The most exciting development in recent times has been the internationalisation and spread of KNX. With almost 400 KNX manufacturers across 38 countries and more than 47,000 KNX partners in 135 countries, KNX is a real success story.

KNX was especially designed for electrical installers, and now, after some 25 years, a lot of things have changed. On the one hand, we have to widen the focus of KNX onto other applications such as lighting, entertainment control and HVAC, and on the other, we must be open for new technologies such as IP communication. In addition, there are real opportunities for skilled tradespeople and businesses across different fields, such as heating installers, panel builders and electrical contractors, to learn more in the field of KNX, and really benefit from good cooperation.

To make KNX even smarter, we need inventive and competitive solutions based on KNX, not only for high-end villas, but for standard homes as well. We have to ensure that end-customers and private users desire KNX technology for their “smart home”.



**Thomas Goes**  
CEO of Theben AG

“ To make KNX even smarter, we need inventive and competitive solutions based on KNX. ”

The thing that most impressed me in recent times was the KNX city at the Light + Building fair in 2014, and again at the ISH in 2015. This clearly demonstrated that KNX is not only the fundamental technology for intelligent buildings in the field of electrical installation and lighting, but also increasingly for HVAC applications. Additionally, the topics of security and safety are becoming more and more interesting for professionals who are looking for common automation standards and solutions for building control. KNX has established itself not only as an international standard for intelligent installation in homes and buildings, but guarantees integrated solutions across different fields of application. The KNX facts and figures speak for themselves.

I would like to see KNX develop further, according to current market requirements, both thematically and technically. What exactly that involves in terms of how smart homes and smart buildings will be integrated into smart city concepts, is something that the KNX working groups need to determine and, accordingly, develop the KNX standard further. Comfort, security and energy efficiency are important arguments that KNX must bring to life for today's generation of “digital natives” – the home builders of tomorrow.

The one thing I would like to achieve for KNX above all else is to celebrate its 50th birthday in 25 years' time!



**Harald Horst**  
Head of Business Development and Global Sales Manager Building Space, Solutions & System Integrators channel, Business Unit Enclosures and DIN-Rail Products Low Voltage Products Division from ABB Ltd.

“ The KNX facts and figures speak for themselves. ”

**Harald Jung**

Managing Partner,  
Albrecht Jung  
GmbH & Co. KG



**It would be good to see products become more userfriendly and commissioning become simpler.**



It is not just recent times that have been exciting – I remember KNX (or EIB as it was called at the time) being born 25 years ago, and we were the midwives! More recently, what stood out for me was the KNX Top Event at the last Light + Building fair. The icing on the cake was that a winning project of the KNX Awards was once again equipped with JUNG products.

I hope that use of KNX will continue to spread. After all, we are well equipped to meet the requirements of the smart home and modern building automation, and issues such as KNX RF and security are already on our roadmap. It would be good to see products become more user-friendly and commissioning become simpler so that we can inspire more installers and systems integrators to use KNX.

I would also like to congratulate all who have helped, during the last 25 years, to establish KNX as the worldwide standard for home and building control.

**Franz Kammerl**

Head of Business  
Segment System and  
Room Automation  
for Siemens Building  
Technologies, Switzerland



**KNX should be better positioned in the Internet of Things (IoT) environment.**



For me, the most important KNX developments and events in recent times have been the introduction of KNX to the USA, the WorldSkills event that takes place in Brazil, and 25 Years of KNX in Switzerland.

I would like to see KNX develop several directions. Firstly, KNX should be better positioned in the Internet of Things (IoT) environment. Secondly, we need to enlarge the disciplines that KNX covers, and thirdly, we need to complete the world map by introducing KNX to the US market. Indeed we have already made progress on all of these tasks, so I am confident that we are “future proofed”.

The one thing I would like to achieve for KNX above all else is to maintain its position as the number one system in the world for home and building control.

**Peter Kellendonk**

Founder of the  
Kellendonk Group



**So for me, the launch of KNX RF has been the most significant development.**



KNX has always been backwardly compatible to ensure security of investment, so for me, the launch of KNX RF has been the most significant development. In dynamic times such as these, securing existing businesses models while developing new ones is more important than ever. In the emerging market of the IoT, open and dynamic participation is essential. The IoT will be a significant market in the future, and it is already opening up. Ensuring the vitality of KNX and all of its features regarding the IoT is most important to me, so I look forward to KNX, with all of its market potential and enormous influence, establishing more convergence with other systems so that it can fully exploit the potential that this market has to offer.



The most exciting developments recent times have been the successful launch of ETSS, and the growing number of members in the different National Groups. KNX has been around for 25 years and is going from strength to strength, with the number of Partners, manufacturers, countries, National Groups and trainers all continually increasing.

I want KNX to embrace the IoT, to see KNX in the cloud, and for the standard to be actively involved in some key smart home initiatives. I would also like to make ETS accessible to many more partners, both technically and pecuniary, so that the standard and technology become ubiquitous.



### Jean-Christophe Krieger

*Strategic Marketing  
Director Building  
Automation Systems,  
Schneider Electric*



**I want KNX to embrace the IoT, to see KNX in the cloud.**



The most exciting development in recent times was the foundation of KNX National Group USA. This means that KNX now has a presence in all regions of all world. I hope that KNX will grow to be so popular that it is taken for granted as the basis for home and building control infrastructure by the different trades involved in a building. As steps in this direction, I look forward to KNX technology advances in data security and web services. I would like to maintain the core advantages of KNX, namely interoperability, a single tool and certified training, as it becomes the de facto standard for home and building control infrastructure.



### Hans-Joachim Langels

*Head Building and Light-  
ing Control, Siemens AG*



**KNX has now a presence in all regions of the world.**



The major success in recent years is the steadily increasing number of Partners who are selling end-user-focused solutions based on the KNX standard, every day. Besides the successful launch of ETSS, the globalisation of KNX is a key driver, added to which is the latest great news of the foundation of KNX USA.

To drive KNX forward, we need to do two things at once. On one hand, we need to continue on the successful path of recent years and further broaden our customer base. For this, it is key that we remain a reliable partner with a reliable standard that KNX has always been since its foundation 25 years ago. On the other hand, we need to keep an eye on other technologies (and competitors) in the home and building control market, and be open to adapting to market trends.

Based on the intention of further broadening our customer base, the one thing I would like to achieve for KNX above all else is to reduce, as much as we can, the barrier to entry to doing business with KNX solutions. With the latest ETS developments we have made a good start, but we need to continue in this way.



### Martin Lindemann

*Global Offer  
Management Director  
Smart Devices, Merten &  
Schneider Electric SA*



**With the latest ETS developments we have made a good start, but we need to continue in this way.**



**Adalbert M. Neumann**

*CEO of Busch-Jaeger Elektro GmbH*



“ **The globalisation of KNX is a mammoth task.** ”

The most exciting happening in recent times was the KNX Awards – a wonderful event which last took place during the KNX Top Event at Light + Building fair in 2014 in Frankfurt. The KNX Awards recognises outstanding KNX projects in home and building automation globally, that are leading in terms of innovation and technical progress. And, of course, the new KNX countries, such as Australia, India, South Korea, Japan, Taiwan, Canada, and the USA.

Our aim is to position KNX as a leading, standardised system for home and building automation, both for functional buildings and for “intelligent living”. Home and building automation has already undergone a tremendous upswing, and demand is on the increase. KNX has long established itself in functional building technology, but for residential applications, KNX also has great potential. KNX is the key to maximum comfort, safety and efficiency, and we would like to see it expand further in home control.

KNX is a worldwide standard that enables the implementation of manufacturer-independent networking concepts. The one thing I would like to achieve above all else is the globalisation of KNX. This is a mammoth task, but it is happening gradually. We shall have to push ahead with this, so that we can easily enable “smart” devices such as sensors, gateways, routers, etc., to be combined, around the world.

**Dr. Herbert Schliffke**

*Managing Director of Insta Elektro GmbH*



“ **The challenge for KNX is to respond to the evolution of the IoT, and to offer appropriate solutions.** ”

The most exciting developments for me recently, have been KNX Association’s impressive presence at Light + Building 2014 and the overwhelming customer response to it, the launch of ETS5, and the 25<sup>th</sup> anniversary of KNX Association.

I would like to see KNX Association continue its successful development by growing further and integrating with other trades. The challenge for KNX is to respond to the evolution of the IoT, and to offer appropriate solutions. As ETS and the technical standards of KNX develop, I am confident that KNX will increase its reach even further as the standard for home and building control.

The one thing I would like to achieve for KNX above all else is that within two years, KNX Association will welcome its 500<sup>th</sup> (manufacturer) Member.

**Bernard Schott**

*Technology and Partnership director of the Business Group for Building Automation of Hager Group*



“ **I would like to achieve for KNX above all else is to address successfully the mid-segment building renovation market.** ”

The most exciting event concerning KNX in recent times was the Light + Building fair in Frankfurt, where the KNX city was really impressive. The more recent event of note is, of course, the creation of the National Group in USA. My hope for KNX is that the wireless solution KNX RF achieves the same market share as the twisted pair (TP) solution. The one thing I would like to achieve for KNX above all else is to address successfully the mid-segment building renovation market, including the energy management linked to the smart grid.

# Kuwait



*The State of Kuwait is a constitutional emirate with a parliamentary system, situated in the northern edge of Eastern Arabia at the tip of the Persian Gulf. It shares borders with Iraq and Saudi Arabia. As with its neighbouring countries, the State of Kuwait makes most of its wealth through exports based on oil. However, unlike other countries in the Middle East, Kuwait started to diversify its business early on, in order to be prepared for the time after the "black gold". Part of this diversity was to focus on sustainable building solutions within the booming construction market.*

## The Introduction of KNX to Kuwait

The Public Authority for Applied Education and Training (PAAET) recognised KNX as the only suitable technology able to facilitate all Kuwaiti market needs, so in October 2013, it organised the first Buildings Automation Technology Event in Kuwait. With a strong focus on KNX, the event consisted of a conference and exhibition, and was attended by more than 200 participants. Among the exhibitors were systems integration companies, various organisations, and manufacturers including ABB and Schneider Electric, that organised short training sessions on KNX.

Not only is PAAET bringing KNX technology closer to the next generation of Kuwaiti decision makers, it also functions as the umbrella organisation for the KNX Userclub Kuwait, and opened the first training centre in Kuwait and the Gulf region, in partnership with KNX Association.

## KNX Installations in Kuwait

KNX has been used in private villas as well as in high-rise developments, commercial buildings and government buildings. A KNX project of particular note that is underway, is the Kuwait World Trade Centre (Al Tijaria Tower). This US\$95 million development involves the construction of a 55-storey commercial building. Every sixth floor of the

*KNX is used to control the lighting of the Kuwait Trade Centre (KTC).*

tower will have a view of the project's landscaped hanging gardens. The complex also includes a shopping centre on the first floor which will include shopping outlets, cafés, restaurants, as well as a health club and swimming pool. In order to realise the complex requirements and the desired energy saving of the KTC, KNX is used to control the lighting.

## The Future of KNX in Kuwait

In order to increase the adoption of KNX in the country, KNX Userclub Kuwait is active in organising events and training. It has also signed an agreement with the Kuwait Society of Engineers that benefits both parties, as their common interests create many synergies. Due to this strong cooperation, KNX Kuwait is on track to become the best-known association for home and building control in Kuwait. Further events and training courses have been scheduled, which promise a great future for KNX in Kuwait and also in the whole Gulf region.

**Contact:** Yousef B. Almutairi  
yb.almutairi@paaet.edu.kw



*The Building Automation Event in Kuwait, organised by PAAET.*

# Lebanon



*Le Yacht Club Beirut, a KNX installation of over 900 KNX devices for controlling lighting, shutters and HVAC.*

**Lebanon, the Country of Cedars, is only 10,452 square kilometres, but has numerous universities, and therefore many consulting offices for construction projects in Lebanon and in the Arab World, plus one accredited KNX+ training centre.**

**KNX was introduced in Lebanon nearly two decades ago, but then the social and economic situation did not allow for much expansion. Nowadays however, numerous residential and commercial buildings are being fitted with KNX technology, particularly since KNX helps to make buildings greener, more energy efficient and economical to use. This is why the trend towards implementing KNX-based buildings is growing in Lebanon and in the Arab World, and why it will continue to grow for the foreseeable future.**

## KNX Projects in Lebanon

An example of a KNX installation is Le Yacht Club Beirut (BWD), a complex of hotel and individual apartments with KNX control of lighting (DALI and switches), shutters and HVAC. This project was initially executed as non-KNX and failed due to the load of systems and complications. The system integrator "I Control SAL" was called in to save the day. It uninstalled the existing system and replaced it with KNX. Now the project has been completed and comprises over 900 KNX devices that took three months to install and commission.

Lebanon to meet and exchange experiences and ideas.

KNX Userclub Lebanon has already made an impact. The Order of Engineers and Architects of Beirut, which involves over 45,000 engineers and architects, requested KNX Userclub Lebanon to provide a two-hour seminar, with displays of KNX devices and systems. This will almost certainly lead to engineers and architects in Lebanon further implementing KNX in their projects. KNX Userclub Lebanon also participated in the Project Lebanon building construction exhibition.



*Members of KNX Userclub Lebanon.*

## KNX Userclub Lebanon

As there are no KNX Members (i. e. manufacturers) in Lebanon, a KNX National Group could not be formed, but a KNX Userclub in Lebanon was formed following a request by the KNX Association.

The aim of KNX Userclub Lebanon is, on the one hand, to perform the functions that a National Group would normally do, including, among other things, marketing KNX technology in Lebanon. On the other hand its role is to fulfil the aims of a KNX Userclub, which includes providing a space for KNX users in

## KNX Training in Lebanon

Anyone who wishes to get a basic knowledge in KNX, and KNX Partners who wish to get an advanced knowledge in KNX, could do the KNX Basic Course and the KNX Advanced Course at the Building Automation Training Center in Lebanon. This is the first KNX training centre in Lebanon, it has been fully-accredited by the KNX Association, and is open to interested parties from within the country and the Arab World.

**Contact:** [knx-userclub-lebanon@sodetel.net.lb](mailto:knx-userclub-lebanon@sodetel.net.lb)



*The Yacht Club illuminated in the night.*



Baytna (Arabic for Our Home) is the first eco-villa constructed in Qatar.



# Qatar

**The State of Qatar is a sovereign Arab country and an absolute monarchy. It comprises a small peninsula on the north-eastern coast of the Arabian Peninsula and its sole land border is with Saudi Arabia to the south, with the rest of its territory surrounded by the Persian Gulf. Qatar is the world's richest country per capita, and has a developed economy backed by the world's third largest natural gas reserves and oil reserves in excess of 25 billion barrels.**

**Qatar, is not only a very wealthy country, but also home to a growing number of KNX projects. There**

**are two main reasons why industry in Qatar is developing so quickly. The first is a strategic plan to make Qatar one of the most important countries for Islamic culture, as the country provides good education, with renowned universities for teaching and training people.**

**The second is that Qatar is hosting the FIFA World Cup 2022. The country will welcome millions of people to this massive footballing event, and is engaging in numerous building and infrastructure projects in preparation.**

## Promoting KNX in Qatar

KNX is being promoted heavily in Qatar thanks to the marketing efforts of companies such as ABB, Schneider Electric, Siemens, Jung and Hager, among others. These companies are increasing their presence in the country, and almost certainly their respective sales volumes too. In order to be fully prepared for the biggest sporting event worldwide and present the country in the best possible light, buildings are sprouting up rapidly. There is also a drive to ensure a high level of sustainability for the future, and KNX provides the solutions for this, making it truly the best suitable technology for the unusually fast developments that are happening currently in the region.

## KNX Projects in Qatar

KNX is already being used in a number of significant projects in Qatar, mainly for lighting control and energy-saving applications. These include the Heart of Doha City which is a downtown regeneration project that will revive the old commercial district. Using the latest in sustainable technologies, it will adhere to the highest standards in green building. KNX is also being used in numer-

ous office buildings, as well as in the Qatar Main Exhibition Centre; the Palace of the Emir of Qatar; the Mall of Qatar; the Kempinski Hotel; the Traders Hotel; the W-Hotel; the Marriott Hotel; and in the Pearl of Qatar – an artificial island spanning nearly four million square metres. Another KNX project is the first eco-villa to be constructed in Qatar. It is designed as per the passive house standards for energy and water efficiency and has been designed to reduce energy usage by 50 %. It is powered completely by solar panels that feed any excess power back to the grid, and is fitted with numerous monitoring systems.

## The Future for KNX in Qatar

Although there is no official KNX group in Qatar, we come under the auspices of KNX Middle East. Indeed, the last stop of the KNX Roadshow Middle East took place in Qatar and was so well-attended that it prompted discussions about the foundation of a KNX Userclub Qatar immediately after the event. Qatar has great ambitions to be a high-end country, so it is no surprise that the use of KNX is growing rapidly. We expect to see KNX Middle



*The last stop of the KNX Roadshow Middle East took place in Qatar and promises the start of many upcoming activities.*

East expand its activities in the region, and for a KNX Userclub Qatar to develop, particularly in the run up to the football World Cup.

**Contact:** Rasoul Moghaddam  
rasoul@armiti.ae

# Saudi Arabia



*The Kingdom of Saudi Arabia is the largest Arab state in Western Asia by land area, and an absolute monarchy that was founded in 1932. It is one of the world's largest oil producers, and controls the world's second largest hydrocarbon reserves. In a move to diversify its economy, Saudi Arabia is developing 'economic cities', such as King Abdullah Economic City, to be completed by 2020 and spread around the kingdom to promote diversification for the regions and their economies.*

*Due to its wealth, the country is able to take on large projects and develop its infrastructure and construction markets. There is a lot of new building taking place, and a desire to provide sustainable solutions for the automation of buildings. The obvious answer is KNX, and accordingly, a growing number systems engineers and contractors have been trained in this technology.*

## KNX in Saudi Arabia

Before KNX Association conducted its first activities in Saudi Arabia, KNX as a technology already played a major role and has been implemented in major projects, one of the first of which was the automation of a whole building in the residential area of the first industrial city in Jeddah.

In 2013, Saudi Arabia was the second stop of the KNX Roadshow Middle East, which took place in Riyadh, the capital of Saudi Arabia. ABB also held its first KNX training course in Saudi Arabia in 2013 and currently has a training centre in Riyadh.

There are now three KNX Members that are distributors in Saudi Arabia, and over 160 KNX Partners operating in the country. Indeed KNX featured at the international construction exhibition, "The Big 5", held in the Jeddah Centre for Forums and



*The first KNX event in Saudi Arabia was well-attended.*

Events, where Zennio, for example, showed its latest KNX automation solutions to achieve energy-efficient and high-performance buildings, homes, and hotels.

## Award-winning KNX Project in Saudi Arabia

The Princess Noura Bint Abdul Rahman University in Riyadh is the largest and probably the most modern university for women in the world. The campus covers 800 hectares and has been conceived as an independent district. It has space for 40,000 female students and 12,000 employees, and includes a library, a university clinic, research centres, halls of residence, social facilities such as kindergartens, schools, mosques and even its own automatic rail system. The best features of the complex can also be seen in the KNX building system technology, which ensures

efficient lighting and air-conditioning and provides protection against the sun and heat in all of the university buildings. In fact the systems integrator of this extensive KNX installation, Modern Times Technical Systems (MTTS), was presented with the International Award for Asia for this project in 2012.

## The Future of KNX in Saudi Arabia

The future for KNX in Saudi Arabia looks bright. The first KNX event in 2013 was very well-attended and heralded the beginning of many activities in Saudi Arabia. It also saw the development of KNX Userclub Saudi Arabia, which will ensure growth in the market by raising awareness of KNX and also offer a local KNX platform and contact.

**Contact:** [ayman.babelly@mactech-knx.com](mailto:ayman.babelly@mactech-knx.com)



*Princess Noura University for Women, winner of the KNX Project Award in the category "International - Asia".*



# United Arab Emirates

Established in 1971, the United Arab Emirates is a federation of seven emirates, namely Abu Dhabi (which serves as the capital), Dubai, Sharjah, Ajman, Umm al-Quwain, Fujairah and Ras al-Khaimah. Each emirate is governed by an absolute monarch, one of whom is selected as the President of the United Arab Emirates, and all of whom jointly form the Federal Supreme Council.

The UAE has the most advanced and developed infrastructure in the region. Since the 1980s, the country has been spending billions of dollars on infrastructure, which is particularly evident in the larger emirates of Abu Dhabi and Dubai. The northern

emirates are rapidly following suit, providing major incentives for developers of residential and commercial property.

Driven by these developments, KNX Association started with the first activities in Dubai on the 6th November 2012 with the foundation of KNX Middle East. More than ten members, amongst them manufacturers, integrators and institutions, joined and formed the local KNX organisation, KNX Middle East, which aims to push KNX to the next stage. Due to the regional involvement of most of the key members, the focus of this group was not only on the UAE, but on the Middle Eastern region as a whole.



With more than 400 participants, the Roadshow clearly pointed to the growing awareness of KNX and necessity all over the Middle East. In 2014, taking advantage of the obvious developments in UAE and the upcoming activities in Dubai and Qatar, KNX organised its biggest KNX National Group Conference in Dubai, inviting representatives from forty KNX National Groups to this moving event.

40 % compared to a conventional installation. This large project, made up of more than 7000 KNX devices, won the "International – Asia" KNX award.

## Promoting KNX in the Middle East

The first event, organised by KNX Middle East, was the "First Middle East Forum of KNX Technology and Application" in 2012. With 100 participants, this event was a major success and the beginning of many upcoming events. KNX Middle East then participated in the Light Middle East show in 2013, followed by a string of activities that included visiting officials in UAE and beyond, to explain the advantages of KNX to government officials. The outcome of these discussions was the implementation of KNX in various governmental complexes all over the region.

In 2013, KNX Middle East organised the first KNX Roadshow, covering UAE, Saudi Arabia and Qatar. Each stop consisted of two events, and helped to spread KNX to the other emerging markets outside of Dubai.

## KNX Projects in UAE

Among the growing number of KNX projects in the UAE is the new concourse at Dubai International Airport, Concourse A. This features 24 gates, plus Duty free shops, offices, lounges, restaurants and luxury hotels, and is the first airport in the world to offer multi-level boarding for the Airbus A380 – the aircraft known as the "super jumbo". Multi-level boarding means that first- and business-class passengers can reach their seats directly from their respective lounges.

KNX technology is already used in numerous airports around the world, so it was the obvious choice for this installation. Thanks to its demand-based control system, the lighting system alone – which consists of 140,000 lighting points illuminating a total area of 528,000 m<sup>2</sup> – reduces the concourse's energy consumption by between 30 and

## The Future KNX in UAE

KNX Middle East has many activities planned for this year. These include participating in exhibitions, conducting road shows, and raising the awareness of consultants by having seminars, technical sessions etc. KNX Middle East is also planning a technical workshop, with participants invited from all of the Middle Eastern countries.

KNX Middle East's primary objective for this market is to ensure that KNX technology is specified in upcoming building and home automation projects by encouraging all of the KNX manufacturers who are present in this market, to cooperate.

Contact: [info@knx.ae](mailto:info@knx.ae)



Exterior view of Dubai Airport Concourse 3 in the night with lighting

# VIP-SCENES IN THE STUDIO

The apartment house of the chain Fraser Hospitality finished in 2011

## Intelligent Building Technology of the Doha Fraser Suites

*Qatar's capital Doha is an important economic and cultural center in the Middle East. As consequence, a request for luxury hotels for tourists and business men exists. First address for friends of commodious studios is the 5-star apartment house Doha Fraser suites located close to the sea. The architecturally impressive building with 138 residences on 14 floors was put into operation in 2011. The studios and the suites from 86 up to 214 square meters are luxuriously equipped. Besides exist a restaurant, a swim-*

*ming pool with sauna area, fitness centre and areas for children. It offers to the guests a sensational view to the Indian Ocean and the skyline of the city. The apartments are exclusively equipped with Italian interiors and state-of-the-art facilities. It is obvious that also the building technology is top class. The room functions are controlled by KNX, which does not only mean high comfort for the guests, but also efficient usage of energy and support for the hotel management.*



Guests' lounge  
in the interior



### Artificial lighting underlines the ambience

In the apartments, numerous lighting circuits for different lighting situations are provided. The luminaires can be dimmed or simply switched on or off by KNX push buttons.

Individual lighting atmospheres, created by the combination of different lighting fixtures into lighting scenes, underline the exclusive ambience. In combination with the air conditioning system, KNX controls also the cooling, adjusts the fan speed of the fancoil units and controls the room temperature. Yet, that does not mean that the guests are confronted with complicated operation concepts. Pre-configured scenes, so-called VIP-solutions, can be activated by means of a single push button. Such different light sources are combined together and the room climate is adapted to the individual needs of the guests related to their comfort. Also in public areas like restaurant, lounge, floors etc. the technical facilities are controlled by KNX. The lighting is switched on and off automatically and energy efficiency is achieved using brightness sensors and time controllers.

### Control and Service

A higher degree of safety is achieved due to the integration of the fire alarm system to the access control system. In case of an alarm event, doors and elevators are automatically opened. By means of KNX Radio Frequency, the guests have the possibility to close the door of their apartment by RF remote controls. Core part of the KNX installation is the visualization of all building and room functions by the software Facility Pilot. The entire system can be monitored from a central place by a graphical user interface. At the reception e. g., a room can already be pre-cooled and VIP-solutions are configured just before the guests make use of the room. Alarms and technical incidents can be recognized quickly. The technicians, can remotely – from their room – solve the problem and carry out service operations without disturbing the guests.



Fantastic view over Doha during  
sports in the gym

#### BENEFITS OF KNX IN THIS PROJECT

- Energy efficiency
- Comfort for the guests
- Support for the hotel management

#### TECHNICAL HIGHLIGHTS

- Pre-configured VIP-solutions
- Scene functions
- Troubleshooting and maintenance via visualization
- Door control via KNX-Radio-Frequency

#### TRADES/APPLICATIONS

- Lighting
- Air conditioning
- Technical monitoring
- Door control
- Visualization

#### COMPONENTS

- **Number:** 1751
- **Brand:** Jung

#### COMPANIES INVOLVED

- **Constructor:**  
Doha Fraser Suites,  
[www.doha.fraserhospitality.com](http://www.doha.fraserhospitality.com)
- **Planning and system integration:**  
Al Mazroui-ICAS,  
[www.almazrouicas.com](http://www.almazrouicas.com)

# PERFECT WORKING CONDITIONS



*Individual control of the sun screens is released*

## User-orientated building technology in company building

***The new company building of Elsner Elektronik in Ostelsheim shows that it is possible to establish building automation on a high level of energy savings and safety and at the same time give the user the opportunity to participate.***

Large window fronts for a great view on the beautiful surroundings and an optimal energy balance – these were the requirements. They got reality with shading controlled according to solar position and indoor temperature, a night-time re-cooling and a temperature control that only heats or cools when all other measures are stretched to the limit.

*Transparency is only possible with an intelligent shading control*





Quick integration of a blind

The ambient climate automatic is carried out by the room controller Corlo Touch. This is why even complex functions could be set easily in the parameter sets of the ETS application. For the blinds, e. g. slat tracking, wind and frost alarm have been activated. The summer compensation adjusts the room temperature's target value to high outdoor temperatures.

The sensor input values are transmit to the software of the controller unit via pre-defined Group Objects. Thus the effort for integration was low. Individual requirements were set in the application's integrated logic gates, in this case the interaction between heating, AC and window contacts. The temperature controller is set to building protection mode when a window opens. As the AC works with a proprietary protocol, it has been integrated in the KNX control via a KNX gateway.

Certain consumers, such as water storage and power outlets in the production rooms, have been integrated into KNX via switching actuators. Thus in "absence" mode, all tools and machines are currentless and no energy is used heating up water.

The FacilityServer gives an overview of the building. Sensor data, camera images and the status of windows and all other systems in the KNX bus can be monitored here. The server also takes over time control of doors, gates and cafeteria ventilation.

Everything is automated with KNX – but where is the user, that is the staff? They can set their ambient climate, shading, light and windows at any time. Pages for manual operation are pre-defined at the touch displays. But the staff can also use a smartphone to operate the controller. The main case for the use of the app is to quickly recall presentation scenes in the training rooms. By giving the possibility of re-adjustment at any time, the user gets independent from the integrator. In spite of the automation there is no feeling of heteronomy.



Touch display and app for user control

Visualisation of the outside area on one view



## BENEFITS OF KNX IN THIS PROJECT

- Individual single room control
- Automatic shading
- Presence controlled lighting
- Absence shutdown of electrical consumers
- Malfunction and operation messages, remote access

## SUBSECTION/PLANT COMPONENT

All sections: Lighting, sun screen, heating, cooling, windows, ventilation, doors, gates, fire alarm, multimedia, power station, boiler

## INTERFACES

- AC
- Safety lighting
- Monitoring cameras

## COMPONENTS

- 366 bus participants, 10 power supply units
- Displays, sensors, actuators: Elsner Elektronik
- 16A switching actuators, KNX/DALI gateway and safety modules: ABB
- Gira FacilityServer
- KNX gateways: Intesis
- Presence detectors: BEG

## COMPANIES INVOLVED

- **Client:** Jutta and Thomas Elsner
- **Architect:** Willi Burk, 21-ARCH GmbH & Co. KG, Calw
- **Electrical planning:** IMS Ingenieurgesellschaft Mück & Schaber GmbH, Holzgerlingen
- **Electrical installation:** Elektro Wurster GmbH, Bad Liebenzell
- **System integration:** Elsner Elektronik GmbH, Ostelsheim
- **Support:** European funds for regional development (EFRE) and „Förderung Regionale Wettbewerbsfähigkeit und Beschäftigung“ (RWB) of Baden-Württemberg (Ministerium für Ernährung und Ländlichen Raum Baden-Württemberg)

# WORLD CLASS IN THE DESERT STADIUM



*Jewel in the desert: KNX controls the lighting in the second largest stadium of Saudi Arabia.*

*Main entrance: At night artificial light and rhombic patterns create interesting light effects.*

## KNX is co-player on floodlit matches

***Burning sun in the desert. Up to 50 degrees in the shadow. That is too hot even for spectators. Therefore in Saudi Arabia football matches take place for the most part in the evening or at night under floodlights. The new “King Abdullah Sports City National Stadium” close to Jeddah at the Red Sea is well prepared for such events by means of its KNX-controlled floodlighting. The sports complex completed in 2014 appears like a gigantic jewel due to its architecture with a façade in mashrabiya style. It is the home of two premier league clubs. The stadium built according to FIFA standards offers space on three balconies for 60.000 sports fans. Air circulation and 3500 tons of cooling liquid create a feel-good ambience. A gymnasium, an athletic stadium, a Mosque with “Grand Plaza” as well as spacious outdoor facilities form also part of the 3.000.000 square meters area.***

### **Light Scenes of the Floodlighting**

The size of the lighting systems in the stadium becomes obvious by the amount of 8.600 lighting fixtures with 5.8 Megawatt installed power. Also here the worldwide standard for home and building control shows again its performance for large projects. 2.200 KNX components control the lighting fixtures on the balconies, in the entrance halls, floors, in the lounges and outdoor facilities. The lighting is automatically controlled depending on the demand by time programs adapted to the event plans. Time delays of a few milliseconds avoid too high inrush currents. Constant light control with brightness sensors cares for constant lighting conditions adapted to the needs.

If on the playground a match takes place KNX is “on the ball”, too. The floodlighting consisting of 562 spotlights can be switched to four brightness levels: In case of football matches it will provide 750 lux, on special events 2.000 lux or even one level higher, or it illuminates the playground with 500 lux for normal usage. The brightness programs stored as light scenes can be activated from a central workstation or alternatively from two further slave-stations.

A gymnasium, an athletic stadium, a Mosque with "Grand Plaza" as well as spacious outdoor facilities form also part of the 3.000.000 square meters area.



Lighting comfort in the lounges

### Savings by Energy Management

The automation ensures a high illumination comfort for spectators and players and enables a smooth and sure organisation when using the sports complex. At the same time it proves its worth as energy management. Just by itself the time control ensures a ten percent more efficient energy usage. In areas where presence detectors or constant light control is provided for the energy efficient control of the lighting, the energy consumption is reduced to the half compared to a conventional installation.

But also the personal responsible for the technical support profits from it. Due to the visualisation of the whole KNX installation switching functions as well as control functions can be monitored, adapted to the special needs and energetically optimised. Technical faults can be recognised in real time and be repaired quickly.

#### BENEFITS OF KNX IN THIS PROJECT

- Automatic lighting control
- Supports organisation and management
- Technical surveillance
- Energy savings up to 50 percent

#### TECHNICAL HIGHLIGHTS

- Four light scenes for the brightness of the floodlighting
- Constant light control by KNX/DALI gateway
- Lighting control according to time and calendar program
- Technical surveillance by visualisation

#### TRADES/APPLICATIONS

- Lighting
- Monitoring
- Visualization

#### COMPONENTS

- **Number:** 2200
- **Brand:** ABB

#### COMPANIES INVOLVED

- **Constructor:**  
ARAMCO,  
[www.saudiaramco.com](http://www.saudiaramco.com)
- **Architect:**  
ARUP Associates,  
[www.arupassociates.com](http://www.arupassociates.com)
- **System integration:**  
Naji Al-Hassan, ABB,  
[www.abb.com/sa](http://www.abb.com/sa)

Unconventional architecture in the middle of Dubai's famous skyscrapers

# WITH A VIEW TO DUBAI'S SKYLINE

## KNX coordinates the room functions in the luxury suite

*Going to Dubai for luxury shopping. Experiencing artificial dream oases. Strolling in front of the sensational skyscrapers' breathtaking skyline. Dubai's superlatives attract tourists and business men from all over the world. The 5-star-hotel Conrad in the heart of the business center was built in the wake of the booming tourism. The elegant tower forms an unconventional part of the futuristic city architecture. On 46 floors 512 guest rooms, restaurants, bars and cafes, conference rooms, exclusive office spaces and a large lobby are situated. Stylish luxury welcomes the guests. Convenient lighting atmospheres, cozily temperate climate and automatic room functions underline the noble ambience. The functionality of the KNX control system ensures efficient energy usage, economic personal service and a high comfort for the guests.*

### Comfortable handling concept

Having entered the room and inserted the hotel card the guests have different possibilities to control, switch, dim and activate lighting scenes. Each room offers eight to 20 lighting circuits. The guests can adjust window curtains for shading and darkening according to their individual wishes. For the needs-oriented air conditioning, the operation modes "comfort", "standby" and "night" are available. Especially comfortable is the additional possibility to control the room function by means of a glass panel close to the bed. If the guests leave their room, a central "switch off" is carried out. Via KNX, the state of the room, DND (do not disturb) (red LED) or MUR (make up room) can be signaled outside. Accordingly in front of the door, a red or a green LED is lit and the doorbell is activated respectively deactivated. For the room service the state of the room is signaled at the reception, in order to take the appropriate measures. KNX also carries out a complex task, when several rooms are combined together to one single luxury suite. In that case it adapts the handling by scene programs to the modified room functions.



Noble ambience, supported by KNX controlled artificial lighting



The room functions can be controlled at the entrance as well as by a panel close to the bed

### BENEFITS OF KNX IN THIS PROJECT

- Energy efficiency
- Comfort for the guest
- Support for the management of the hotel

### TECHNICAL HIGHLIGHTS

- Main switch via cardholder for the hotel card
- When combining rooms together, simple adaption of the room functions at the reception by KNX logic units
- Integration of building management system and process control system

### TRADES/APPLICATIONS

- Lighting
- Sun protection
- Air conditioning
- Technical monitoring
- Door communication
- Visualization

### COMPONENTS

- **Number:** 5925
- **Brands:** ABB, CONTROLtronic, NETxAutomation, Busch-Jaeger Elektro GmbH

### COMPANIES INVOLVED

- **Constructor:**  
Armiti Trading, [www.armiti.ae](http://www.armiti.ae)
- **Architect:**  
Steward&Associate INC, [www.bwstewart.com](http://www.bwstewart.com)
- **Planning:**  
Atkins, [www.atkinsglobal.com](http://www.atkinsglobal.com)
- **System integration:**  
Armiti Trading LLC, [www.armiti.ae](http://www.armiti.ae)

### Reduced costs

In comparison to an “uncontrolled” energy usage in the hotel rooms the combination of main switch and hotel card saves 20 % of the energy costs. Also the hotel management profits of the KNX automation. The staff has always an actual overview via a visualization software. The room service can react properly to the states of the rooms. The technical team recognizes faults and can quickly intervene. KNX communicates via several interfaces with the building management system and the hotel management, e.g. for presetting the room temperature and the setpoints.

The KNX system comprises 6000 components, starting from switch and dimming actuators, blind actuators, main switches with cardholders, fancoil actuators, room temperature controllers, logic units up to glass panels, IP-gateways, OPC server and visualization software.

## New video: 25 years of KNX

To announce the 25<sup>th</sup> anniversary of KNX, a new video was made, which gives a short overview of the achievements of KNX during these 25 years, from a vision to the worldwide Standard for home and building control. You can watch the video here:

<https://www.youtube.com/watch?v=YDnY83bAVC4>



# FIRST ECO-VILLA IN QATAR



Lighting fixtures controlled using KNX/DALI interfaces.

Automatic sun protection provides on hot days comfortable shade in the atrium

## Residential House in the Arabian Gulf Region reduces its Energy Consumption due to KNX Control

*Energy efficient buildings in Qatar? A land rich in oil and natural gas? Where electricity costs nearly nothing? But even in this emirate in the Arabian Gulf people have their ecological mind and KNX – with its energy saving controls – is part of. The first eco-villa in Qatar and moreover in the area of the Gulf Cooperation Council (GCC) sends out a clear signal for climate protection, water efficiency and green building technology. Already the climate plenty of sunshine offers good prerequisites. A photovoltaic system produces the necessary energy for the building and moreover it feeds its surplus into the grid. In Qatar, domestic water is obtained from sea water, that's why also here a responsible handling of energy is necessary. The "Baytna – First Passive House Eco-Villa" was built in 2013 within 10 months. KNX controls its lighting, blinds as well as its irrigation system. Already during the construction phase, KNX proved its versatility and flexibility especially related to planning, project design and commissioning.*

### **KNX automates the irrigation**

The system integrator of Consolidated Gulf Company came up with some good ideas for efficient use of energy, comfort and security. The lighting, partially by means of LED luminaires, can be switched on/off and can be dimmed. Presence detectors switch off automatically the lighting when persons are not present. Outdoor daylight sensors switch on automatically the illumination of the garden and the sidewalks when dusk falls. Also the blinds in the atrium are controlled by daylight sensors according to the position of the sun and such provide automatically perfect shading. So less energy for air conditioning is required. Push buttons – interconnected by the KNX – enable in addition an individual control of the blinds. The signals of the presence detectors are also processed by the building management system. As soon as "no presence" is detected, the air condition automatically changes to eco-mode. The irrigation system for the plants in the atrium and in the garden is automatically controlled by sensors, therefore no water is wasted. Moreover, the possibility to visualize the devices of the building control system by a tablet PC offers an extremely convenient operation.





View of the inside of the first eco-villa in Qatar

The single-family house is constructed according to the passive house standard for energy and water efficiency. The automation of the 225 square meter living space is realized by 38 KNX devices. For all applications like lighting, shading, irrigation, monitoring and visualization products of Siemens are used. Especially in the field of efficient use of energy and water the KNX building automation shows its advantages. According to the information of the system integrator up to 50 % energy can be saved in comparison to a conventional installation.

#### BENEFITS OF KNX IN THIS PROJECT

- Energy efficiency
- Comfortable illumination concept
- Sun protection

#### TECHNICAL HIGHLIGHTS

- Presence detectors switch off the lighting and set the air conditioning system to eco-mode when no persons are present.
- Comfortable remote control by tablet PC visualization.

#### TRADES/APPLICATIONS

- Lighting
- Sun protection
- Air condition

#### COMPONENTS

- **Number:** 38
- **Brand:** Siemens

#### COMPANIES INVOLVED

- **Constructor:**  
Barwa Real Estate,  
[www.barwa.com.qa](http://www.barwa.com.qa)
- **Architect:** AECOM
- **Planning:** QPM
- **System integration:**  
Consolidated Gulf Company,  
[www.cgulfc.com](http://www.cgulfc.com)

## Austrian National KNX Journal now available

In addition to the international KNX Journal, KNX Association now also offers the Austrian KNX Journal, which is now available for download on the KNX website. This Journal is available in German with articles that focus on the local market. You can download it here:

[http://www.knx.org/media/knx-journal/2015/docs/KNX-Journal-2015\\_at.pdf](http://www.knx.org/media/knx-journal/2015/docs/KNX-Journal-2015_at.pdf)



## New Flyer: KNX in Latin America

KNX is expanding quickly on a global scale, also in Latin America. This is also reflected in the launch of several National Groups on the continent. The new flyer KNX in Latin America focuses on the developments of KNX in several Latin American countries and is available in Spanish, English and German.

<http://www.knx.org/knx-en/downloads/index.php>



# New ETS Apps



You can find all ETS Apps at [www.knx.org](http://www.knx.org) ▶ Software ▶ ETS Apps ▶ Features

## Customize the way you view the messages on the KNX bus

#	Time	Source Address	Source Name	Destination Address	Destination Name	Type	Info	Group sector	Group priority	Group comment / parameter
1	2015-09-08 11:01:19.889	1/0	ETS	1/0	Griesser Object	Write	00:00:00:00:00:00	1-0	0	Set angle correction factor 200%
2	2015-09-08 11:01:20.012	1/0	ETS	1/0	Griesser Object	Write	00:40:00:00:00:00	1-0	0	Local automation setup, fade angle from 0 to 200 (night) and from 0 to 25%
3	2015-09-08 11:01:20.071	1/0	ETS	1/0	Griesser Object	Write	00:40:00:00:00:00	1-0	0	Safety fade angle Pres from 0 to 200 (night) and from 0 to 25%
4	2015-09-08 11:01:20.124	1/0	ETS	1/0	Griesser Object	Write	00:10:00:00:00:00	1-0	0	Disable positioning command back out
5	2015-09-08 11:01:20.219	1/0	ETS	1/0	Griesser Object	Write	00:10:00:00:00:00	1-0	0	Enable local operation
6	2015-09-08 11:01:20.308	1/0	ETS	1/0	Griesser Object	Write	00:10:00:00:00:00	1-0	0	Local local operation
7	2015-09-08 11:01:20.313	1/0	ETS	1/0	Griesser Object	Write	00:04:00:00:00:00	1-0	0	Positioning command upper and position
8	2015-09-08 11:01:20.314	1/0	ETS	1/0	Griesser Object	Write	00:10:00:00:00:00	1-0	0	Local operation automatic mode fade angle from 0 to 200 (night) and from 0 to 25%
9	2015-09-08 11:01:20.314	1/0	ETS	1/0	Griesser Object	Write	00:04:00:00:00:00	1-0	0	Automatic command Positioning command upper and position
10	2015-09-08 11:01:20.341	1/0	ETS	1/0	None	Write	10:00:00:00:00:00	-	-	-
11	2015-09-08 11:01:20.361	1/0	ETS	1/0	Griesser Sensor	Write	00:10:00:00:10001794-03	-	-	Wind speed 00.00 m/s (1.00 ft/s) (m/s)
12	2015-09-08 11:01:20.361	1/0	ETS	1/0	Griesser Sensor	Write	00:10:00:00:10000014-04	-	-	Wind direction 0° (mrad)
13	2015-09-08 11:01:20.369	1/0	ETS	1/0	Griesser Sensor	Write	00:10:00:00:10000000-08	-	-	Precipitation dry
14	2015-09-08 11:01:20.409	1/0	ETS	1/0	Temperature	Write	00:04:00:00:00:00	-	-	Temperature 29.3 °C
15	2015-09-08 11:01:20.409	1/0	ETS	1/0	Griesser Sensor	Write	40:10:00:00:10000011	-	-	Temperature 29.3 °C
16	2015-09-08 11:01:20.489	1/0	ETS	1/0	Brightness	Write	20:10:00:00:00:00	-	-	Brightness level 1 200 lux
17	2015-09-08 11:01:20.546	1/0	ETS	1/0	Griesser Sensor	Write	10:20:00:00:10000000-05	-	-	Brightness sensor 1 400 lux
18	2015-09-08 11:01:20.589	1/0	ETS	1/0	Griesser Sensor	Write	11:20:00:00:10000000-08	-	-	Brightness sensor 2 1200 lux
19	2015-09-08 11:01:20.617	1/0	ETS	1/0	Griesser Sensor	Write	12:20:00:00:10000000-08	-	-	Brightness sensor 3 1200 lux
20	2015-09-08 11:01:20.669	1/0	ETS	1/0	Griesser Sensor	Write	13:20:00:00:10000000-07	-	-	Brightness sensor 4 1200 lux
21	2015-09-08 11:01:20.710	1/0	ETS	1/0	Griesser Sensor	Write	14:00:00:00:10000000-07	-	-	Brightness sensor 5 1200 lux
22	2015-09-08 11:01:20.761	1/0	ETS	1/0	Griesser Sensor	Write	15:00:00:00:10000000-04	-	-	Relays 275 lux
23	2015-09-08 11:01:20.761	1/0	ETS	1/0	Griesser Sensor	Write	00:00:00:00:10000000-00	-	-	Cluster radiation 0.00 W/m²
24	2015-09-08 11:01:20.817	1/0	ETS	1/0	Griesser Sensor	Write	00:00:00:00:10000000-00	-	-	Bus monitoring active (line 0002.04 (internal))
25	2015-09-08 11:01:20.818	1/0	ETS	1/0	Griesser Object	Write	00:10:00:00:00:00	1-0	0	Local local operation
26	2015-09-08 11:01:20.818	1/0	ETS	1/0	Griesser Object	Write	00:04:00:00:00:00	1-0	0	Positioning command upper and position
27	2015-09-08 11:01:20.817	1/0	ETS	1/0	Griesser Sensor	Write	00:10:00:00:10000000-00	-	-	Bus monitoring active (line 0002.04 (internal))

**GRIESSER AG** The Griesser GPA (Griesser Protocol Analyzer) app can decode, record and save KNX bus telegrams of the type 6-byte Griesser object. The GPA app works as a supplement to the Bus or Group Monitor integrated in the ETS. The Griesser GPA app should be launched separately from the Bus or Group Monitor

and simultaneously records all KNX telegrams. As it does so, the Griesser object telegrams are recorded in decoded form. The GPA app offers the same functions as the Bus and Group Monitor except that it interprets the proprietary Griesser 6-byte object and decodes the sectors, the priority and the command.

Contact: [www.griesser.ch](http://www.griesser.ch)

## More features to the Online KNX Product Catalog

**KNX ASSOCIATION** Since the release of the ETS5, the ETS App “Online KNX Product Catalog” has been extended with more functionalities. This allows the user to have access to product data files for the project creation, as well as product related information, such as product pictures, description and comments in several languages. All information, including datasheets and further information are available compressed in a zip file. The extension

of the Online KNX Product Catalog reduces the time spent for searching product information even more! ETS5 users are now able to find all product related information from KNX manufacturers (which have already uploaded this additional data to the online catalog) within the “Catalog section” of their ETS5. Thus, ETS5 users can immediately view and evaluate the product they are looking for.

Contact: [www.knx.org](http://www.knx.org)

Manufacturer	Name	Order Number	Medium Type	Application	Version
ABB	ABB smart connect KNX Sensor	1-0001-002	TP	ABB smart connect KNX...	2.1
ABB	ABB smart connect KNX Plus	1-0002-005	TP	ABB smart connect KNX...	2.2
ABB	ABB smart connect KNX Secure	1-0003-004	TP	ABB smart connect KNX...	2.1



# New Members

## ARCOM



**FRANCE** Arcom is a high-growth SME focused on innovation in energy management and automation solutions in order to contribute even more to environment commitment. Arcom has 30 years of experience in interconnected automatism management. Arcom works in the following areas: automatism and control, BMS, home and building control, public lighting management and multi-field integration. Their customers are integrators through their own network, electrical and HVAC installers, industrials and manufacturers, communities. Arcom will use the KNX protocol to develop a new range of BMS controllers and accessories products. *Contact:* [www.groupe-arcom.com](http://www.groupe-arcom.com)

## AYPRO Technology



**TURKEY** AYPRO Technology is a designer, developer and manufacturer of electronic systems. Its focus is on intelligent solutions for controlling and managing residential and commercial buildings. They have been developing video door phone and smart home systems for ten years. They share their experience in IP touch panel solutions with KNX partners. Based in Turkey, Germany and China, they have a great team developing future technology. AYPRO's mission is to improve smart home and energy saving standards using unique solutions. Their high quality solutions were launched in April 2015 at affordable prices. *Contact:* [www.aypro.com](http://www.aypro.com)

## Beijing Garefowl Technology Co.,Ltd.



**CHINA** Garefowl is a company that designs and manufactures electronic products and develops system application software. For over ten years, Garefowl has been committed to developing intelligent lighting control and management systems and producing various actuators, gateways and communication products operating under the ILCM system. Garefowl has provided system design services and products with the best quality to many system integrators doing outdoor street lighting and night-view lighting projects. Garefowl has carried out many high-end projects such as the Urban Night-view Lighting Project for the Beijing 2008 Olympics. Now Garefowl has decided to join KNX Association to design and produce various types of hardware and software products under this standard. They are committed to produce products for both outdoor and home and building automation. *Contact:* [www.garefowl.com](http://www.garefowl.com)

## Feidiao Electrical Appliances Group Co., Ltd.



**CHINA** Feidiao Electrical Appliances Group Co., Ltd. was founded in 1987. It operates in fields such as smart home furnishing, wall switches, lighting, PPR pipes, etc.. They have become an integrated manufacturer of building hydropower systems that provide a one-stop shopping and service platform for customers. The company holds a strong production ability, an automatic production line in the domestic leading level, more than 200 engineering and R&D personnel. More than 200 patents have been successively obtained. Feidiao has been adhering to the management philosophy of "Five Continue" and strictly carries out all standards of the ISO9001:2008 international quality management system and follows the objective to build green factories and takes the lead to pass the ISO14001:2004 international standard constructions of environmental management systems. *Contact:* [www.feidiao.com](http://www.feidiao.com)

## GEZE GmbH



**GERMANY** GEZE is one of the global market leaders for door, window and safety technology products and systems. The company is represented by 31 subsidiaries, a flexible and highly efficient distribution and service network and almost 2,650 employees worldwide. In the 2013/14 business year the company generated revenues of over 344 million Euro. GEZE safety technology is decisive for the use on escape and rescue routes, for preventive fire protection and access control. Individual security requirements are combined in system solutions so that doors and windows open and close in a coordinated manner in the case of danger. Controlling the entire range of building services in a "smart building" is one of GEZE's future markets. The KNX standard is already today taking care of the interoperability between GEZE products and other manufacturers.

*Contact:* [www.geze.com](http://www.geze.com)

## Guangzhou Osix Optical and Electrical Equipment, Co., Ltd.



**CHINA** Osix specializes in the development and production of home and building control systems. Currently they are developing products to control lighting, blinds and shutters, HVAC systems and other home automation functions. Osix has a strong management, development, and marketing team, including a number of KNX technology development experts. They have now joined to actively contribute to the development and promotion of the KNX technology.

*Contact:* [www.osix.com.cn](http://www.osix.com.cn)

## Hangzhou Nerultec Electronic Co., Ltd.



**CHINA** Hangzhou Nerultec Electronic Co., Ltd. provides cost-efficient and customized solutions for architectural lighting control and building automation applications based on the KNX technology. They stand for high-tech systems and solutions in the field of architectural, home and building automation. With their products you are able to design and develop a professional home automation solution with features that cover lighting control, curtain control, HVAC control, security, video intercom, background music, audio and video entertainment, as well as centralized remote control terminal linking and other sub-systems. This to allow you to fully experience the smart home life of comfort and convenience.

*Contact:* [www.nerultec.com](http://www.nerultec.com)

## Hoval Aktiengesellschaft



**LIECHTENSTEIN** Hoval develops, produces and maintains superior heating, cooling and ventilation solutions. Their mission is to spread responsibility for energy and environment. This they do since more than 70 years with innovative products like boilers, heat pumps, thermal solar panels, calorifiers, and range of cooling and ventilation units. The company's headquarters is in Liechtenstein. With 1700 employees spread over 16 subsidiaries they act and think as a large global family rather than a corporation. The KNX related activities have started with the introduction of the new controller generation TopTronic® E, which is assembled in most of the Hoval products. The new KNX interface guarantees an easy connection to the KNX world and an easy integration into the customers' building.

*Contact:* [www.hoval.com](http://www.hoval.com)

## Instytut Doradztwa sp. z o.o.



**POLAND** The Instytut Doradztwa sp. z o.o. completed their work on the net-zero construction technology in the frames of an R&D EU project in 2014 and focused on the creation of model buildings and a building management system. The basic need was to monitor parameters of the new technology, collect measurement data for further analysis and create a building management system friendly to the disabled. As a result they developed a safe web system for smart building management compatible with automatics in the KNX standard and dedicated KNX electronic devices. The application operates in a web browser and has a dedicated, responsive user interface. The system is equipped with innovative algorithms for voice analysis, gesture control and user identification. Dedicated KNX devices enable the measurement of building parameters and the communication of the building management system with the KNX bus.

*Contact:* [www.instytutdoradztwa.com](http://www.instytutdoradztwa.com)

## ITALCOND Srl



**ITALY** Italcond Srl is a manufacturer of high quality standard and special application cables, with headquarters in Recanati (MC) Italy. The technical expertise, commercial and logistics knowledge enables Italcond Srl to satisfy client demands on both domestic and international markets. Ability and know-how is the result of more than thirty years' experience in the field of standard and special application cables, copper conductors and thermoplastic insulation materials. Italcond Srl has a very diversified product range that includes single and multicore electrical cables, wires, braids and copper connections for major necessities. The range of cables and accessories for special applications covers various fields such as automation and robotics, construction, lighting, welding, military, wind turbines, high temperature and many other customized solutions to match the characteristics of use.

*Contact:* [www.italcond.it](http://www.italcond.it)

## Key Digital Systems



**USA** Key Digital® is an award winning (CES, CEDIA, InfoComm, NAHB) developer and manufacturer of leading-edge technology for HDTV applications, delivering total video systems solutions. The company manufactures a wide range of digital video processing and video signal distribution solutions as well as control systems marketed broadly to the HDTV community, such as digital video and audio processors, Compass Control® control system, switchers, distribution amplifiers, cables, adapters, and more.

*Contact:* [www.keydigital.com](http://www.keydigital.com)

## Light Control



**ISRAEL** Light Control is a new KNX member, based in Israel, which produces KNX products for home and building automation. All products made are in Italy and in their product range they have the LC-A12 and LC-A04, multifunction actuators that can be used for controlling shutters/blinds, the LC-PB04 4/8 push button in a new design with possibility to change buttons in a range of colors. Their main goal is to ensure that all their customers can control their home and building functions with high quality products from their light control product range.

*Contact:* [www.lightcontrol-knx.com](http://www.lightcontrol-knx.com)

## Mean Well Europe B.V.



**THE NETHERLANDS** Mean Well Enterprises Co., Ltd. is one of the leading switching power supply manufacturers in Taiwan. Established in 1982, it gained ISO-9001 certification in 1994. Their product line includes AC/DC switching power supplies, DC/DC converters, DC/AC inverters and battery chargers. They have over 5,000 standard models widely used in automation, communication, LED lighting, medical sector, moving signs, and office automation fields. Their goal is to offer total solutions that satisfy all customer requirements. They have earned a good reputation based on quality, competitive prices and punctual delivery of products. Currently, they have around 200 distributors and thousands of customers throughout the world. Mean Well Europe, located in the Netherlands, is committed to providing prompt and local services to distributors and customers.

*Contact:* [www.meanwell.eu](http://www.meanwell.eu)

## Messung Systems Pvt. Ltd.



**INDIA** The Messung Group has over three decades of formidable industrial experience in automation across multiple sectors. The brand has forged a legacy of supplying innovative, world-class, industrially hardened electronic products and solutions. With the capability, expertise and resources to operate at any scale, Messung is the most reliable route for you to achieve manufacturing excellence, state-of-the-art infrastructure and nationwide scaling and networking.

*Contact:* [www.messung.com](http://www.messung.com)

## Nanjing OHOSURE Intelligent Technology Co.,Ltd



**CHINA** The company philosophy of Ohosure is to create advanced technology products with a user-friendly and artistic design. It is the mission of Ohosure to make houses and buildings more intelligent, user-friendly and green. Ohosure provides both products and solutions, including a full range of KNX wired and wireless products and overall solutions, which can be applied on a broad market including residential houses, commercial buildings, hotels, railway stations, airports, medical and educational institutions, industries, etc.

*Contact:* [www.ohosure.com](http://www.ohosure.com)

## PointGrab



**ISRAEL** PointGrab develops innovative computer vision solutions for smart buildings. The PointGrab PointSwitch module incorporates an image sensor with advanced image recognition technology. The module provides the building management system with information regarding human presence, location and number of occupants, light sensing and advanced analytics including the occupant's profile and behavior. The data provided by the PointSwitch module is integrated in building management systems and improves energy efficiency, security and comfort, while reducing the overall system cost.

*Contact:* [www.pointgrab.com](http://www.pointgrab.com)

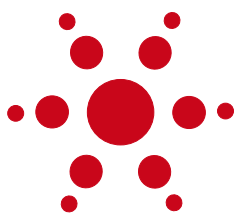
## Extron Electronics



**USA** Extron Electronics designs and manufactures AV components that work together to convert, switch and distribute signals, and control entire AV systems from a single interface. Their products enable effective communication in a variety of presentation environments, such as classrooms, boardrooms, houses of worship, lecture halls, and control centers. Today they have 30 offices worldwide, and back every product they make with uncompromising service, support, and solutions.

*Contact:* [www.extron.com](http://www.extron.com)

## Shenzhen Yuming Vision Technology Co.,Ltd.



**CHINA** Shenzhen Yuming Vision Technology Co.,Ltd. was founded in 2007. The company is aiming at researching, developing and producing the most specialized, reliable and easy-to-use control system. The company has a number of intellectual property rights and has been honored "National High-tech Enterprise" and "Shenzhen High-tech Enterprise". Their business services include the fields of LED building lighting control systems and LED indoor lighting intelligent control. Their products are popular and have been extended not only to 31 provinces, cities and autonomous regions in China, but also exported to some Southeast Asian countries and Russia. Some of their high profile projects are Guangzhou Bridge of the Asian Games, Rural Commercial Bank Building in Guangzhou, the bicycle museum of the Asian Games, the Press Conference Center of China National University Games.

*Contact:* [www.szuming.com](http://www.szuming.com)

## SMC interiors



**SAUDI ARABIA** With Over 35 years of commitment to the region, SMC interiors has positioned itself as a market leader in manufacturing and supply of quality interior finishing products. SMC interiors' primary clientele is the contract market, focusing mainly on sectors such as hospitals, office buildings, hotels, universities, airports, governmental institutions, commercial centres and high-end private residences/palaces. With regional expansion set as a strategic goal; SMC interiors currently has physical presence in six geographical areas; Jeddah, Riyadh, Al-Khobar, Bahrain, Dubai and Abu Dhabi; in addition to sister companies based in Jordan and Lebanon. Furthermore, in order to assure continuous growth; the management is committed to long-term strategic investments in the areas of machinery, intelligent controls, and green building technologies.

*Contact:* [www.smcinteriors.com](http://www.smcinteriors.com)

## Syx Automations



**BELGIUM** Syx Automations has been offering its clients high-quality total solutions for software automation for more than 25 years already. Among its clients there are swimming pools, sports, youth and wellness centres, public services, museums, zoos, amusement parks and theatres. Under the motto "Solutions You Xpect", their dedicated team offers everything from design and project management to after-sales service. Syx Automations guarantees total solutions and in addition to its in-house designed software platform ReCreateX, they also offer IT infrastructure, network management, access control systems, camera surveillance and building monitoring systems. Syx Automations also configures and supplies all accessories such as hardware, point-of-sale equipment, data carriers, tickets, printers and self-service kiosks.

*Contact:* [www.syxautomations.com](http://www.syxautomations.com)

## Zehnder Group International AG



always  
around you

**SWITZERLAND** Zehnder is a successful international group with strong family ties and are committed to creating energy-efficient solutions for a healthy and comfortable indoor climate. Their aim is to be acknowledged as the leading supplier in the target market segments. Their brands stand for innovation, design and reliability. Zehnder creates sustainable value for their main stakeholders – customers, employees and shareholders – while respecting ethical principles. Their worldwide manufacturing plants make steel radiators which can be operated electrically or with a hot water system, radiant ceiling panels for heating and cooling, and ventilation and air cleaning products. They supply integrated systems for selected market segments. Their products and systems are marketed under two international brands and several national brands.

*Contact:* [www.zehndergroup.com](http://www.zehndergroup.com)

# New Products



## New ABB i-bus KNX Fancoil Actuators

**ABB STOTZ-KONTAKT GMBH** With the new range of Fancoil Actuators for controlling blower convectors, ABB offers new solutions for an energy efficient room climate control with KNX. The new Fancoil Actuators are available in two variants, each with or without manual operation. One variant features two analogue output channels to control motor valve drives by 0 – 10 V signals. The other variant features four electronic outputs to control thermoelectric valve drives by Pulse Width Modulation (PWM) or motor valve drives. All new Fancoil Actuators control a single-phase fan with up to three fan speeds via a step or changeover control. An additional switch output can be used to control an electrical load.

*Contact:* [www.abb.com/knx](http://www.abb.com/knx)

## Visual scheduling for KNX and media control

**AV STUMPFL GMBH** There are many devices and systems which need to be controlled based on date and time: Power up and shut down of systems, the scheduled playback of shows, display of group or visitor names in corporate buildings or the scheduled playback of advertising. AV Stumpfl has turned these feature requests into a product named Avio Calendar which is a central visual calendar control for advanced scheduling and time control of KNX and media installations.

*Contact:* [www.avstumpfl.com/aviocalendar](http://www.avstumpfl.com/aviocalendar)



## KNX control and visualization without PC

**AV STUMPFL GMBH** Have you ever dreamed of a tiny solid hardware box where you can simply load data from ETS and which hosts a web control interface that can be simply accessed from Smartphones or tablets? AV Stumpfl has already developed this smart hardware: The IObox series devices can exactly do that and also feature interfaces to control AV systems such as projectors, displays, receivers and more. The configuration and connection of these datapoints is conducted straight forward and simple by using a visual drag & drop connection editor which is free of charge.

*Contact:* [www.avstumpfl.com/knxcontrol](http://www.avstumpfl.com/knxcontrol)

## Link Module

**B.A.B.-TECHNOLOGIE GMBH** In addition to the KNXnet/IP router functionality, the Link Module incorporates the proven BAB facility coupling protocol. This uses unicast transfer and communicates via the router and the Internet without problems. Specific measures as required for normal IP routers which use multicast are not necessary. Furthermore, the Link Module communicates via BAB Secure Link (specially-encoded facility coupling protocol) which enables secure transfer to other BAB devices. The module is both capable of accepting an encoded connection and of establishing an encoded connection, for example to the Facility Master.

*Contact:* [www.bab-tec.de](http://www.bab-tec.de)





## Facility Master



**B.A.B.-TECHNOLOGIE GMBH** The Facility Master is designed for use in large projects. It incorporates all of the Eibport's functionalities. Additionally, individual applications such as Data Logger, App Module, KNX Easy (implementation of 3<sup>rd</sup> party software), and Audio Server (controlling of all Audio Modules) are on-board. Due to its option to establish encoded connections to the Eibport or Link Module, it is highly suitable for property administration. 256 simultaneous connections to all visualisations, 2000 connections via Control W, more than 2000 jobs, and automated controlling of rooms (room occupancy plan) make the Facility Master the perfect tool for complex building automation projects.

*Contact:* [www.bab-tec.de](http://www.bab-tec.de)

## CHROMOFLEX® Pro KNX stripe ECO

**BARTHELME LED SOLUTIONS** With the new CHROMOFLEX® Pro KNX stripe ECO, Barthelme offers a high quality controller for comfortable and energy efficient LED management based on the proven communication standard KNX. The device is mounted on a DIN-rail system. Numerous configuration options via the ETS software enable easy use in various applications for 1 – 4 channel light solutions. In addition to the high performance of up to 4,4 A per channel, the CHROMOFLEX® Pro KNX stripe ECO also offers maximum safety through short-circuit, reverse polarity, overload and overheat protection.

*Contact:* [www.barthelme.de](http://www.barthelme.de)



## Remote control app for KNX detectors

**B.E.G. BRÜCK ELECTRONIC GMBH** It is now possible to program B.E.G.'s KNX occupancy detectors equipped with the new application 5.0 conveniently using the smartphone: The new B.E.G. app available for Android and iOS in the respective store also includes the remote control IR-PD-KNX. Haptic and optic feedback on pressing the respective button is given: the smartphone vibrates and the respective button is coloured in blue. It is possible to deactivate vibration. The IR-RC-Adapter transmits signals to the respective detector. It is easily plugged in to the audio socket of the smartphone.

*Contact:* [www.beg-luxomat.com](http://www.beg-luxomat.com)

## KNX occupancy detectors for great mounting heights

**B.E.G. BRÜCK ELECTRONIC GMBH** B.E.G.'s KNX-GH detectors with integrated bus coupler have been developed for being mounted in great heights, for example in warehouses. The special optic allows for a safe detection of movements at mounting heights of 14 m with a detection range of max. Ø 30 m (PD4-KNX-GH) or 9 m with a detection range of max. Ø 6 m (PD9-KNX-GH). The PD9-KNX-GH is especially adapted for being integrated into light-bands in warehouse aisles. The optional 180° blinds enable an exact definition of the detection area allowing a limitation of the detection of movements in cross aisles. The devices are equipped with the new application 5.0, enabling to remotely control the detectors.

*Contact:* [www.beg-luxomat.com](http://www.beg-luxomat.com)





## KNX Sensors

**BERKER** With the Berker KNX Sensors users will step one comfort level higher. The integrated bus coupling unit (BCU) can be programmed with S- and E-Mode without the attractive designed sensor fields, that will be installed later on. The new sensor push buttons are equipped with dimmable and colour adjustable RGB LEDs. At the BCU there could be in addition to the integrated temperature sensor in the sensor field, a second remote temperature sensor connected. There will be only one application for all design lines and all functions, from one up to four fold. The new BCU has protected mounting claws, a covert AST connector and an integrated buzzer that can be called over S- and E-Mode.

*Contact:* [www.berker.com](http://www.berker.com)

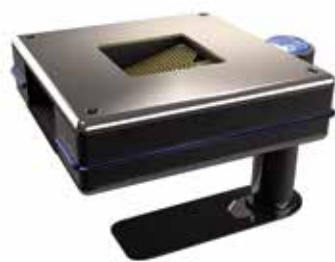
## KNX Temperature controller

**BERKER** The KNX Temperature controller with or without room controller function has an innovative usability experience: through swiping and forced touch various functions can be selected. Underneath the 1,93" TFT-colour display is the combined capacitive (touch sensitive) area with mechanical feedback (pressure sensitive). This unique swipe and forced touch combination allows new user comfort in a small area. The KNX room controller does not only control the temperature, but also ventilation and more functions if needed. There are up to nine individual programmable pages available. Moreover integrated: A precise timer with 4 h power reserve and 13 language variants.

*Contact:* [www.berker.com](http://www.berker.com)



## KNX sun protection central unit



**BMS – BUILDING MANAGEMENT SYSTEMS** The Quadra by BMS gives an overview of the weather, completely replacing a sun protection central unit. Not only the design is unique: the device measures the wind via ultrasonic with no wear and tear. It detects brightness, solar radiation and wind speed from all directions and measures both precipitation and temperature. At the same time the Quadra is a central unit for eight sectors and offers various security and comfort programs. The device is controlled directly via KNX. The latest functionality update is the connection to mobile network – also called M2M.

*Contact:* [www.bms-solutions.de](http://www.bms-solutions.de)

## LED dimmer with constant voltage

**BUSCH-JAEGER ELEKTRO GMBH** Busch-Jaeger is presenting its new LED dimmer with constant voltage. For operating multi-colour RGB(W) lights, four-channel devices can be connected. In this way it is possible to create lighting effects or pre-programmed colour arrangements. However, up to four LED lights can also be actuated independently of each other. The parameters are set in each case, using the ETS software. The product range consists of one product with an integrated power supply (230 V, 50/60 Hz) and another version that is operated using an external power supply (12–24 V DC).

*Contact:* [www.busch-jaeger.com](http://www.busch-jaeger.com)





## New Generation of KNX Room Thermostats

**BUSCH-JAEGER ELEKTRO GMBH** Maximum energy efficiency for utility and house construction: with its new KNX room thermostats, Busch-Jaeger is presenting a particularly convenient and user-friendly possibility for controlling the heating, ventilation and cooling. The thermostats have a base-load function that control the basic heat for the underfloor heating. The “Master” and “Slave” function enables several devices to be used and operated in one room.

*Contact:* [www.busch-jaeger.com](http://www.busch-jaeger.com)

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## Design switch “ANNA” on KNX

**CJC SYSTEMS** The ANNA collection by CJC Systems with small levers is available with or without feedback LEDs (yellow) and red orientation LED. Every lever has a separate function by upwards and downwards movement and has a short & long keystroke. Available with up to four levers. This design collection is made out of aluminum and is available in more than 15 different high quality finishings. Some of the possibilities are: short & long keystroke, night & day LED-indicators brightness adaptability, dimming, blind/shutter processing, scenarios run & save, ... The ANNA collection can also be equipped with an optional temperature & humidity sensor and is to be installed in universal built-in boxes or Bticino built-in boxes.

*Contact:* [www.cjcsystems.com](http://www.cjcsystems.com)



## Design switch “LOLA” on KNX

**CJC SYSTEMS** The LOLA collection with flat push-buttons of CJC Systems is available from one up to four buttons on a simple cover plate and five up to eight buttons on a double cover plate. The collection is made out of aluminum material and is available with/without feedback LEDs plus more than 15 different high quality finishings. The LOLA collection can also be equipped with an optional temperature & humidity sensor and has a lot of possibilities (short & long keystroke per button, night & day LED-indicators brightness adaptability, dimming, blind/shutter processing, scenarios run & save, ...) The LOLA collection can be installed in universal built-in boxes (CARRÉ) or Bticino built-in boxes (BANDE).

*Contact:* [www.cjcsystems.com](http://www.cjcsystems.com)

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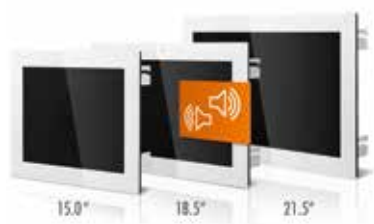
## KNX switch „kamereon“ with flush mounted installation

**DAKANIMO GMBH** The manufacturer “dakanimo” of Hamburg is presenting their newest enhancement to the “kamereon” switch’s functionality: technical analyses that are especially useful to logic modules are now made possible. This new feature corresponds to the formula: touching the switch = 1, releasing = 0. Also, an impressive solution has been added visually to the “kamereon” KNX switch: it can now be mounted flush with the wall. Thus for architects and designers many new possibilities open up to blend this elegant switch completely into the interior.

*Contact:* [www.dakanimo.com](http://www.dakanimo.com)



## HomeCockpit Major 4.0: now with extended-frequency 2-way speakers



**DIALOGIC SYSTEMS GMBH & CO. KG** This all-rounder sets the tone in every aspect. The innovative multitouch panel PC with fast quad-core processor, 8 GB RAM and 120 GB SSD now has new 2-way speakers with an extended frequency range in its 15, 18.5 and 21.5-inch versions. It also features a reliable watchdog function including an automatic restart feature which remains in contact with the KNX visualisation server at all times and restarts the panel without any reaction from the user in the event that the connection fails. That's what we mean by smart building control. Get in touch with the future.

*Contact:* [www.home-cockpit.eu](http://www.home-cockpit.eu)

## HomeCockpit Excelsior 2.0: now with KNX compatible watchdog module

**DIALOGIC SYSTEMS GMBH & CO. KG** A reliable watchdog for every building. The latest model of the powerful multi-touch panel PC with super-fast quad-core processor now also has a unique watchdog function including an automatic restart feature. This means that the KNX visualisation server remains in contact with the panel at all times. And in the event that the connection fails, for example due to software problems, the system is restarted without any action from the user. In addition it has extended-frequency 2-way speakers for various display versions. It could not be more innovative or secure. Get in touch with the future.

*Contact:* [www.home-cockpit.eu](http://www.home-cockpit.eu)



## Videophone App

**DIVUS GMBH** With the DIVUS Videophone App for iOS you can now receive door calls on your iPhone/iPad with audio and video. See who is just outside the door, talk to your guest or simply open the door comfortably from your couch. But that's not all. Since the Videophone App uses the SIP standard, it can also be used like a typical SIP client for internal calls. In combination with the OPTIMA App you have your Smart Home always under control. The publication in the Apple App Store is scheduled for Q4 2015; interested people can inquire activation as beta tester under [beta@divus.eu](mailto:beta@divus.eu) to test the Videophone App already.

*Contact:* [www.divus.eu](http://www.divus.eu)



## BO08B01KNX DIN-rail module 8 OUT

**ELECTRON SPA** From now on, all Eelectron's actuators have an option to be equipped with manual controls. The DIN-rail 8 Output Module BO08B-01KNX is a KNX DIN-rail mounting device useful to control loads (e. g. lamps, shutters or venetians). The device is equipped with eight on board outputs that can be configured independently for load control or in pairs for the management of roller shutters and blinds; up to four channels. The device's size is four DIN-rail modules.

*Contact:* [www.eelectron.com](http://www.eelectron.com)





## WB40AxxKNX – MiniSwitch KNX 4 Channels

**ELECTRON SPA** New Miniswitches KNX suitable with plates of Eelecta's range two or four modules or Glass Plates three or four modules. The range is composed by three models that include one, two or four channels switches with a dimension of 45 x 45 mm (frame not included). For each channel two signalling LED's are available (white/blue). The switches are available in two different colours (white or anthracite) and the plates in three colours (white, silver and black).  
*Contact:* [www.eelectron.com](http://www.eelectron.com)

## KNX Metering gateway

**ELKA-ELEKTRONIK GMBH** The KNX Metering gateway receives M-Bus TP and wireless M-Bus meter values and furthermore offers two independent S0 and one D0 interfaces for connection of meters without M-Bus interface. The gateway passes on the received values to the KNX system for further processing and displaying e. g. on touch panels or displays. The S0 impulses can be weighted with a factor internally so that the capacity can be transmitted directly. The measuring values can be stored parallel on an SD card. The KNX Metering gateway can be fully integrated in ETS4/ETS5. *Contact:* [www.elka.de](http://www.elka.de)



## DIN-rail Actuator KNX S1R-B4 PF

**ELSNER ELEKTRONIK GMBH** The KNX S1R-B4 PF actuator has a potential-free multifunctional output. That means either a drive (up/down) or two consumer loads (on/off) can be connected. The potential-free layout allows control of 230 V drives or low voltages. The relay switches low-wearing in zero crossing of the electric tension. If necessary, the movement time of the drive can be measured via current metering by the unit itself. Automatic functions for awning, blind, roller shutter or window are integrated in the application, as well as a 16 channel scene control. Four analogue/digital inputs connect e. g. temperature sensors or push buttons to the bus.  
*Contact:* [www.elsner-elektronik.de](http://www.elsner-elektronik.de)

## IP-KNX Interface for Cameras

**ELSNER ELEKTRONIK GMBH** The KNX/IP Interface allows control of IP cameras via the KNX bus. Data can be transferred in the other direction too, and camera events like mode changes can be sent to the bus. The gateway is designed especially for Mobotix IP cameras. There are eight input and eight output objects for each of the eight cameras that can be controlled. Voltage is supplied by the IP connection (POE). *Contact:* [www.elsner-elektronik.de](http://www.elsner-elektronik.de)





## LogicMachine Ambient

**EMBEDDED SYSTEMS, SIA** With LM Ambient KNX meets Windows' 10 Internet-of-Things, Google's PhysicalWeb and iBeacon. LM Ambient is an ecodesigned wall-mounted controller with gesture control that transforms the device into a smart pushbutton. Temperature, humidity, barometer, air quality and light sensors measure and control the environment around you. Ambient lighting can work as a LED lamp or notifiicator. LM Ambient consists of sensor platform, visualization server, cross-standard gateway, scenario and logic engine. It supports KNXnet/IP. It also has built-in bi-directional EnOcean, Bluetooth 4.0 Low Energy interfaces.

*Contact:* [www.openrb.com](http://www.openrb.com)

## KNX Room Controller GuestComfort+

**EMT CONTROLS** EMT Controls introduces GuestComfort+, innovative KNX guest room controller. GuestComfort+ is now more versatile thanks to added features for controlling shutters, FCU, DND/MUR and more. The product was enriched by featuring Zigbee Pro for doorlock interface to control card access system from KNX. GuestComfort+ designed to meet the automation requirements of hotels as well as offices and homes. Despite its compact design the device offers 16 relays, 8 inputs, 8 analogue outputs, 2 x 500 W dimming channels enabling the implementation of almost all automation scenarios that can assign triggers and executors to KNX Objects and Group Addresses.

*Contact:* [www.emtcontrols.com](http://www.emtcontrols.com)



## Enertex® ENA – electronic net defense

**ENERTEX® BAYERN GMBH** The Enertex® ENA allows a secure access to your home network from the internet: with dynamic DNS and HTTPS reverse proxies, secure and password protected connections from the internet to web servers on the home network can be established without knowing the IP address. Via the provided OpenVPN, a secure connection can be established to your whole home network. Via KNX Group Addresses the connection state of individual users can be announced and/or the OpenVPN server can be completely activated/deactivated. For devices with Apple iOS the OpenVPN client can be started on demand.

*Contact:* [www.enertex.de](http://www.enertex.de)



## SynOhr® MultiSense KNX

**ENERTEX BAYERN GMBH** "SynOhr® MultiSense KNX", is now available in two new designs: black anodized and white powder-coated aluminium. The vocabulary of the complete autonomous recognition (no external server or Internet connection) is now available in German, English and French. The speech control as "COMPUTER, LIGHT 30 PERCENT" does not need to be taught-in. The room controller measures the temperature, humidity, color intensity and can show 14-byte strings in the display. An integrated speaker outputs audio signals stored on the included SD card. Two touch sensors and a push button can be used for KNX switching/dimming. SynOhr® multi-sense is fed directly from the KNX bus.

*Contact:* [www.enertex.de](http://www.enertex.de)





## Room Automation System

**ESYLUX DEUTSCHLAND GMBH** The room automation system from ESYLUX consists of an extensive selection of DIN-rail modules which provides – alongside the manufacturer’s range of KNX sensor technology – a complete one-stop solution for room and building automation. Based on the modular design principle, it is possible to create the perfect combination for almost every application and every range of functions. In addition to numerous actuators for switching, dimming, shutters and HVAC, various interface modules are available, including a DALI gateway, a KNXnet/IP interface, a KNX Line Coupler and an in-wall connector module with binary inputs, as well as a KNX power supply unit.

*Contact:* [www.esylux.de](http://www.esylux.de)

## Room Controller Box

**ESYLUX DEUTSCHLAND GMBH** The compact single housing of the new Room Controller Box from ESYLUX conceals a comprehensive actuator, which can be combined with compatible multi-sensor technology to provide breath-responsive control of DALI lighting, ventilation and heating based on presence detection. The decentralised position in the room reduces cable runs, while simple connections facilitate installation. The Box functions using KNX technology. Thanks to extensive factory pre-programming, the device is ready to be used immediately with no specialised KNX knowledge required. That way the Box is easy to retrofit, but remains future-proof because of its KNX compatibility.

*Contact:* [www.esylux.de](http://www.esylux.de)



## DomiOP eBIS513

**EXOR INTERNATIONAL S.P.A.** Exor International eBIS513 is an advanced KNX HMI device offering outstanding design. Easy to use, it is the ideal choice for all demanding HMI applications in building automation. The eBIS513 features a 13"3 widescreen TFT display with 1280 x 800 pixel (WXGA) resolution. JMobile, Exor International’s software platform offers an innovative and efficient solution for the new requirements in home automation. The product supports the KNX protocol with IP and TP interfaces. Exor International is now introducing the Android operating system as an option for certain products. This will open the possibility to use existing apps also in Exor high-quality HMI products.

*Contact:* [www.exorint.net](http://www.exorint.net)



## The first Venetian blind motor with integrated KNX intelligence

**GEIGER ANTRIEBSTECHNIK** Together with Rademacher Geiger has designed a KNX Venetian blind motor with an integrated KNX interface that is unique in the world. The new motor operates without a separate external actuator. The innovative technology reduces the amount of wiring required and guarantees a cost-saving installation. Thanks to the built-in intelligence a “real” status report - an immediate live feedback - is guaranteed, so that a reference run for the runtime measurement is superfluous. The motor can be controlled and monitored either in a classic way or via KNX bus.

*Contact:* [www.geiger.de](http://www.geiger.de)





## Gira KNX heating actuator, 6-fold

**GIRA GIERSEPEN GMBH & CO. KG** The Gira KNX heating actuator, 6-fold switches the electro-thermic valve drives on the radiators. Its hardware features the established Gira user interface, enabling manual operation by means of the familiar operating concept. When it comes to software, functions have been added in particular to allow the heating system to operate even more efficiently than in the past and ultimately also save heating costs. In addition, intelligent valve flushing prevents lime scale from forming in the heating system by performing regular flushing at predefined intervals. In turn, the service life of the heating system is extended.

*Contact:* [www.gira.de](http://www.gira.de)

## DRY Contact 24CH Sensor (M/S24.1)

**GUANGZHOU HEDONG ELECTRONIC CO. LTD. (HDL)** The HDL KNX sensor M/S24.1 supports maximum 24 input channels which can be used as dry contact sensors. In sensor mode the sensor is able to support mechanic and electronic switch types. The following control options are available: switching, dimming, shutter control, flexible, scene, sequence, percentage, threshold, string (14 bytes), forced, counter, bell, combination control, ... It can be used in a variety of applications such as apartments, villa's, public areas, parking lots, hotels and any other area.

*Contact:* [www.hdlautomation.com](http://www.hdlautomation.com)



## Ultrasonic sensor



**GUANGZHOU HEDONG ELECTRONIC CO. LTD. (HDL)** HDL KNX sensor M/US05.1 supports an ultrasonic sensor, a brightness sensor and binary inputs. It offers four independent logic blocks and one combined logic block. Each logic block can be combined with the sensor values for brightness and the conditions of the external inputs. As far as logical functions are concerned, AND or OR are available. Via the external inputs telegrams for switching, absolute dimming, shutter control, alarm, percentage, sequence, scene and string (14 bytes) can be sent. The sensor can be configured in master and slave mode and can report the current status of sensor values and external inputs, in order to adapt to different environmental requirements.

*Contact:* [www.hdlautomation.com](http://www.hdlautomation.com)

## iPad frame and iPad APP for KNX

**GUANGZHOU TANTRON ELECTRONIC CO. LTD.** Guangzhou Tantron Electronic Co., Limited developed an iPad frame that includes an iPad mini and iPad App for KNX. The iPad Frame is wall-mounted with box included, and different colors can be chosen. The iPad App can connect with the Tantron IP interface, Tantron IP router and other standard KNX/IP routers. It can be used with an iPhone.

*Contact:* [www.tantron.com.cn](http://www.tantron.com.cn)





## KNX Impuls Gateway for multi-sector consumption detection



**HAGER VERTRIEBSGESELLSCHAFT MBH & CO. KG** Whether for electricity, gas or water – with the Hager Impulse Gateway all your consumption values managed on KNX equipment can be displayed and managed on this device. To achieve this, simply connect the IP 65 Impuls input to a water, gas or electricity meter with S0 interface. The device then converts the impuls information from analogue values, such as litres or cubic meters, into digital KNX telegrams and transmits them over the bus. The device for ETS commissioning is available as 1-channel variant TYC701E and 2-channel variant TYC702E.

*Contact:* [www.hager.com](http://www.hager.com)

## TEBIS KNX multichannel actuators with practical ETS functionality

**HAGER VERTRIEBSGESELLSCHAFT MBH & CO. KG** The three new multichannel actuators with matched hardware design and practical ETS functionality cover approximately 80 percent of all applications in residential and non-residential buildings but, compared to a conventional ETS actuator, save around a third of the cost. With up to 20 outputs on ten DIN-rail module units, this device offers the highest level of functionality in a confined space. The range consists of the 20-fold blinds and contacts outputs TXM620D, the blinds and contacts outputs TXM616D with 16 channels and the 12-fold blinds/shutters output TXM632C.

*Contact:* [www.hager.com](http://www.hager.com)



## HSYCO 3.5.0



**HOME SYSTEMS CONSULTING SPA** HSYCO 3.5.0 is the latest software release of the HSYCO series of home and building automation controllers. In this release they have added support for several new third-party systems, like the Philips Hue lighting system and network music players from Sonos and the recently launched Denon HEOS family. Using HSYCO as a gateway between KNX and these systems, standard KNX products can be used to seamlessly control Philips Hue lights, including large systems with many controllers, as well as multiple Sonos and HEOS music players. Rather than using multiple dedicated gateways between KNX and third-party systems, HSYCO offers an all-inclusive single solution to connect KNX to anything else.

*Contact:* [www.homesystemsconsulting.com](http://www.homesystemsconsulting.com)

## Iddero Home Server

**IDDERO** The new Iddero Home Server is a compact, DIN-rail mounted home automation server for visualisation and control of KNX installations from any smartphone or tablet (iOS, Android, etc.). The unit integrates advanced functions such as time schedules, user-editable scenes, a versatile logic module, alarm monitoring, e-mail notifications, four independent thermostats, and much more. It connects directly to the KNX bus (no external gateway required) and additionally includes eight multifunction inputs. Ease of configuration, along with robust and reliable operation, make the Iddero Home Server an ideal and cost-effective choice for all KNX projects.

*Contact:* [www.iddero.com](http://www.iddero.com)





## iKNiX presents KNX KNiX (formerly iKNiX)

**IKNIX** KNX KNiX is the brand new iOS App for all iKNiX devices: KNiX Port V2/V3 & proServ. The new look'n'feel can be individually tailored by the user of the app. Zones and objects within these zones can be moved and sorted in any preference directly in the app. Furthermore, so called favorites can be created in the zone and/or object menu which makes navigating easier and more fun. Another cool feature is our iBeacon control. This lets you jump into any zone you walk in and also activate a given light scene if desired. Also new: Use proServX with data logging, timers, Email notification for free.

*Contact:* [www.iknix.com](http://www.iknix.com)

## SIFLUX-K

**INGENIUM INGENIERÍA Y DOMÓTICA SL** It is a constant light regulation sensor which is able to control lighting in function of two motion channels or independently. In combination with a dimmer it can maintain a constant brightness in a room. It is possible to adjust the presence sensor sensitivity in an easy way, selecting between three predefined levels or you can personalise it. It includes parameters to define regulation steps, to establish deviations, or to calibrate it. It is also possible to change between auto and manual mode, defining the behavior when it changes between those two options. It also includes an additional thermostat to measure temperature where it is installed.

*Contact:* [www.ingeniumsl.com](http://www.ingeniumsl.com)



## STIBUS-K

**INGENIUM INGENIERÍA Y DOMÓTICA SL** The STIBUS-K is the new built-in temperature sensor for remote controlling of the area temperature where it is installed. It can work as an additional temperature controller in combination with touch screens and it incorporates a PI regulator with temperature control according to programming. It can be programmed to work in heating, cooling or even auto mode simultaneously. In addition, it is also possible to program an easy logic module to control for example floor heating. Size is 55 x 45 x 5 mm and it can be mounted built-in a distribution box with ventilated lid.

*Contact:* [www.ingeniumsl.com](http://www.ingeniumsl.com)

## "Beauty" series wall controller

**INSPRID** The BEAUTY series controller brings an innovative design with its eye-catching soft pastel-colored controls. This smart KNX product has all the power you need to manage your lighting and heating, and does it all in a package that looks attractive while retaining full functionality. Easy to program and great to look at, BEAUTY lives up to its name in every way and will transform your home in more than just one way. The high resolution screen expertly shows current settings. Configurable front panels allow the user to change the appearance of the product. LED buttons can be customised to fit all applications. Built-in sensors show up-to-the-minute information on temperature, humidity, and system information.

*Contact:* [www.insprid.com](http://www.insprid.com)





## “Origin” series wall controller

**INSPRID** Beautifully crafted in a rugged aluminum framework and finished in Black, Golden or Silver colors, the “ORIGIN” series control panel will enhance your living area and augment the aesthetics of your home. Soft-push buttons and easy to read displays make the “origin” control panel functional and elegant. Clear information is provided at a glance to take on the temperature and control status. LED indicators light to show the operation status. You can choose the model integrated with plastic removable labels flexible for customised design. Alternatively, the product is also offered with version of laser engraving label, where icons can be chosen from the icon library, or totally customised by Insprid.

*Contact:* [www.insprid.com](http://www.insprid.com)

## iRidium V2.2.3 for KNX

**IRIDIUM MOBILE LTD.** iRidium V2.2.3 for KNX is flexible software developed to control KNX. iRidium App on a mobile device, based on iOS, Android, OS X or Windows 7/8 is a user’s universal remote to control lighting, climate, curtains, security systems, Intercom, A/V equipment, Media Servers and other smart home equipment via TCP/IP, RS232, IR. Users control it all from an individually designed interface. With the new 2.2.3 version users can make prolonged intercom calls from the same interface that controls the whole house. Integration is more convenient and less time-consuming now. Full data import from ETS3, 4, 5 to iRidium GUI Editor provides easy and fast setup of communication with the KNX system.

*Contact:* [www.iridiummobile.ru](http://www.iridiummobile.ru)



## ise smart connect KNX Vaillant

**ISE – INDIVIDUELLE SOFTWARE-ENTWICKLUNG GMBH** Vaillant heatings can now be controlled by KNX. The ise smart connect KNX Vaillant now allows perfect integration into the KNX system in conjunction with the Vaillant multiratic controller. Control several heating zones, temperature setpoints, domestic hot water and ventilation. System information like maintenance mode, error messages, system status or outside temperatures can be shown comfortably by KNX. An overview about your energy yield of your solar system or heat pump can be shown as well as the heat recovery of the ventilation system or the energy consumption for domestic hot water and heating.

*Contact:* [www.ise.de/en/products](http://www.ise.de/en/products)

## KNX heating actuator

**ALBRECHT JUNG GMBH & CO. KG** The KNX heating actuator serves to operate electro-thermal drives for heating and cooling ceilings. It controls valve drives in the low voltage range as well as in the 230 V range. The demand-based pump operation and the option of forced control of all the outputs optimise its features to support energy-efficient heating management. It has a configurable hand operation level for initial start-up and service. The “first open” function that can be set for this makes it even easier to put it into operation. Emergency operation is also secured, if necessary, through the external power supply.

*Contact:* [www.jung.de/en](http://www.jung.de/en)





## KNX Smart Panel 5.1

**ALBRECHT JUNG GMBH & CO. KG** With the integrated operation software in the Smart Panel 5.1, functions and scenes can be regulated through the coloured 5.7" touch display. Visualisation and operation takes place through the JUNG graphic user interface or alternatively through a freely configurable user interface. The built-in alarm system ensures security with up to 40 warning devices for internal and external perimeter protection. The features are rounded off with additional functions such as a weekly time switch, preconfigured light scene management, a data logger for consumption data, limit value, logic and time modules.

*Contact:* [www.jung.de/en](http://www.jung.de/en)

## KNX 12 Multifunction Actuator

**LIGHT CONTROL** LC-A1216 is a multifunction 12-channel actuator, programmable with ETS to perform tasks like switching loads, controlling shutters and blinds, drive valves operating in PWM and control two or four pipe fancoils. Each output uses bistable relays with 16 A maximal load. Block terminals are very wide to insert wires with a section up to 5 mm<sup>2</sup>. The relays can be operated manually via a push button mounted on the front of the device, a green LED indicates the switching status of each channel. The power supply is provided from the KNX bus through the new transceiver TPUART2 that provides better performance in terms of switching speed. The protection class of the package is IP20 and it is designed for installation on DIN 35 mm.

*Contact:* [www.lightcontrol-knx.com](http://www.lightcontrol-knx.com)



## LROC-400 Room Controller



**LOYTEC ELECTRONICS GMBH** The new LROC-400 Room Controller is a freely programmable controller with I/O expandability. The high-performance controllers can be directly connected with KNX devices through KNXnet/IP or through KNX TP1 by using the optional LKNX-300 module. The L-ROC devices build up the management level and provide all automation functions, scheduling, alarm monitoring, trend logging, and also visualisation features, and thus open up multiple areas of application for room automation. L-ROC also supports connectivity to WLAN and MESH networks and connection to EnOcean wireless devices via LENO-80x Interface.

*Contact:* [www.loytec.com](http://www.loytec.com)

## AKD-0424R.01 REG LED Controller 4-fold

**MDT TECHNOLOGIES GMBH** The MDT LED Controller controls 12/24 V RGBW LEDs (Common Anode, Constant Voltage). The max. LED capacity is 384 W at a current of 4 A for each channel. The device can be controlled by RGB and HSV colour space. At HSV operation colour and brightness can be adjusted with a normal KNX push button. Extensive scene functions, definable colours and predefined sequences are available. Alternatively the device can control up to four independent groups of white LEDs. The integrated 16 AC-load relay switches the external power supply. The controller can be customized via selectable dimming curves to the LEDs. For sensitive persons the PWM frequency can be set to 1000 Hz.

*Contact:* [www.mdt.de](http://www.mdt.de)





## STC-0640.01 Bus Power Supply with diagnostic function

**MDT TECHNOLOGIES GMBH** The MDT Bus Power Supply in 4SU case with diagnosis function and integrated choke supplies the KNX bus with 640 mA (max. current 1,2 A). The integrated BCU with diagnosis function monitors voltage, current, temperature, overload, rate of current bus load and all devices of the line by their Group or Individual Address. If a device fails an alarm message is released. Events like e. g. mains voltage failure/return are saved with time stamp in a readable memory. The current operation state and warnings for increased bus load > 60 %, repeated telegrams and failed devices in the line are displayed from LEDs.

*Contact:* [www.mdt.de](http://www.mdt.de)

## Automation Platform.NExT

**PROGEA SRL** Progea devised Automation Platform. NExT, a single, open, modular software platform for supervising and managing all production processes, with supervision, control, data collection and industrial analysis capabilities based on the "plug-in" concepts, allowing maximum interoperability with systems in order to integrate new functional models within the Progea framework for fully customizable .NET solutions. Several new features have been implemented in the new 2.1 release to improve 3D animation management and pilot projects aimed at creating HMI systems with unprecedented innovation that can be obtained by simply using 3D interactive and animated graphics.

*Contact:* [www.progea.com](http://www.progea.com)



## First-ever Venetian blind drive with integrated KNX intelligence



**RADEMACHER GERÄTE-ELEKTRONIK GMBH** In cooperation with Geiger, Rademacher has developed the world's only KNX Venetian blind drive with integrated KNX interface. This means that the new motor doesn't need a separate external actuator. The innovative system thus minimises wiring and ensures inexpensive installation. Thanks to integrated intelligence, live feedback or a "real" status message is ensured, thus eliminating the need for a reference run to determine time duration. The drive can be controlled directly or controlled and monitored over the bus.

*Contact:* [www.rademacher.de](http://www.rademacher.de)

## Presence Detectors and Brightness Controller

**SIEMENS AG** Both Presence detectors and the brightness controller are designed for flexible ceiling mounting in a wall box, in a surface-mounting box or with clamps in a suspended ceiling. The detection range is up to Ø 14 m in 5 m installation height. The integrated constant light level controller controls up to five lighting groups in which the control curve is calculated automatically. Via three independent outputs it controls different functions in a room (lighting, solar protection and HVAC). The learning mode can be enabled at front via a learning button or the IR remote control.

*Contact:* [www.siemens.com/gamma](http://www.siemens.com/gamma)



## New Modules for Room Control Box



**SIEMENS** The flexible and decentralized installation system Room Control Box now offers additionally to the existing modules for lighting and solar protection control a binary 3-fold output with 6 A and a 2-fold thermal valve actuator with 1.5 A for AC/DC°24 V and AC 230 V. Furthermore a decentral KNX power supply with 80 mA is available of which up to eight can be used in parallel on one line and in combination with KNX power supplies N 125/x2. Additionally there are now modules available for installations in standard UL/NEMA 4" x 4" junction boxes. *Contact:* [www.siemens.com/gamma](http://www.siemens.com/gamma)

## USB Interfaces for Service and Commissioning

**SIEMENS SCHWEIZ AG** The new USB/KNX interfaces OCI702 and N 148/12 serve to connect a PC to a KNX system. With ETS or other KNX PC tools all connected devices can be parametrised, visualised or put into service. N 148/12 is a DIN-rail mounted device (1 SU) with an integrated bus coupler. The OCI702 is small, handy and light, optimised for portable service use and thus an ideal companion for every KNX user. A connection cable and a service bag are included with the product. OCI702 provides a KNX bus power supply of 25 mA, to parametrise single devices without additional power supply.

*Contact:* [www.siemens.com/gamma](http://www.siemens.com/gamma)



## Room thermostat with humidity sensor

**SIEMENS SCHWEIZ AG** The Room Thermostat RDG165KN enables not only optimal measurement and control of the room temperature, but also relative humidity (r. H. %). The RDG165KN, developed for residential and light industrial buildings rely on the solid measurement technology for 2-/4-pipe fancoil applications with 3-position or DC fans. The room thermostat can also be used in universal heating and cooling systems as well as in heat pump applications. Due to selectable functions and parameters the product fulfills not only a wide spectrum of customer requests, but also helps to reduce energy costs.

*Contact:* [www.siemens.com/thermostats](http://www.siemens.com/thermostats)

## Sense: Simon's new range of KNX interfaces

**SIMON, S.A.** SENSE, prize-winner with the IF Gold award in the building technology category, is designed to combine touch interaction, ergonomics and integration with the surroundings. It is available with one, two, four and six touch buttons, with the option of incorporating a slide control to make more meticulous adjustments. Thanks to its sensory feedback design, just by pressing, the user receives a stimulus: light, sound and vibration. It is specially designed for controlling lighting and blinds. Also, incorporates a temperature probe and two digital inputs to optimise environmental control. Compatible with Simon's Detail 82 and Nature 82, Sense lets you play with different colours, textures and finishes.

*Contact:* [www.simon.es/sense/en/](http://www.simon.es/sense/en/)



## KNX Dim Actuator D6100-01 4f 230 V AC



**SMC INTERIORS** SMC interiors Dimming actuator is a device for dimming luminaries directly by the data in the memory. The data is processed in advance in the programming software according to the distribution characteristics of the luminaries' brightness. The universal dimmers carry out dimming via phase cutting, which have three categories: 1-channel, 2-channel and 4-channel. Maximum power of each channel is 500 W for 1-channel and 2-channel dimmers. Maximum power of each channel is 400 W for 4-channel dimmer. You can dim one independent group of lights with the 1-channel dimmer, two independent groups of lights with the 2-channel dimmer and four independent groups of lights with the 4-channel dimmer. *Contact:* [www.smcinteriors.com](http://www.smcinteriors.com)

## KNX Shutter S7100-01 Actuator 4f

**SMC INTERIORS** SMC interiors Shutter actuator 4f is a modular installation device. It can be installed in the distribution boards on 35 mm DIN-rail according to EN 60 715. The device adopts screw terminal to achieve electrical connection. The connection to the KNX bus is established via a bus connecting terminal. The input needs 230 V AC operating voltage for the shutter actuator. The working mode of the shutter actuator can be switched between manual operation and automatic operation by pressing the man./auto. button for about 2 s, and the man./auto LED will display the current operating status.

*Contact:* [www.smcinteriors.com](http://www.smcinteriors.com)



## Somfy KNX Master Control V 3.0



**SOMFY GMBH** The sun protection central controller animeo KNX Master Control V 3.0 by Somfy enables an exact zone-based shadow management of 16 or more facade areas for a selection of 19 different types of blinds and hangings. The facade's facing direction is taken into account in the building's own precise shadow, and in the shadow caused by opposite buildings. Optimization of energy consumption through automatic protection of overheating. In cold weather conditions, sunlight is utilized as a natural source of energy. The Somfy service includes the full preparation of the project-related shadow model, as well as expert consultation. *Contact:* [www.somfy-architecture.com](http://www.somfy-architecture.com)

## Dual HF KNX high-frequency corridor sensor

**STEINEL VERTRIEB GMBH** Equipped with two special 5.8 GHz HF-sensors, the Presence Control PRO DUAL HF KNX corridor sensor from Steinel Professional watches over a corridor in both directions from the ceiling. Its long and narrow detection field is tailored to the particular architecture of corridors and passageways. The sensor's maximum reach of 10 x 3 meters in each direction, i. e. up to 20 meters, is infinitely and electronically adjustable. It provides precision detection regardless of ambient temperature and direction of movement. The light switches on instantly. *Contact:* [www.steinel-professional.de](http://www.steinel-professional.de)





## High-resolution passive infrared presence detector IR Quattro HD KNX

**STEINEL VERTRIEB GMBH** As a top-performance presence detector, the Presence Control PRO IR Quattro HD KNX has 4,800 switching zones for maximum detection quality and a square lens for a square detection footprint to match the typical shape of a room. The genuine presence detection zone covers 64 m<sup>2</sup> (8 x 8 meters). The patented mechanical reach setting capability permits exact adjustment of the detection zone. It is predestined for detecting the smallest of movements occurring in predominantly seated activities in offices, classrooms and high rooms. *Contact:* [www.steinel-professional.de](http://www.steinel-professional.de)

## New MECip – KNXnet/IP Routing&Tunneling device

**TAPKO TECHNOLOGIES GMBH** The new MECip KNXnet/IP Routing&Tunneling is the first device of its class that needs no external power supply. MECip offers possibility to temporarily disable filtering of messages for installing, commissioning and testing by pressing a button. State of filter tables (on/off) is indicated with LEDs. MECip can be used as a Line – or Backbone Coupler and provides a data connection between the upper KNXnet/IP line and the lower TP KNX bus line. The integrated tunnelling protocol connects ETS for commissioning and monitoring. MECip has an integrated mechanism to reduce traffic in case of misconfiguration. Available as OEM version.

*Contact:* [www.tapko.de](http://www.tapko.de)



## New UIM-KNX IP without additional external power supply

**TAPKO TECHNOLOGIES GMBH** The new UIM-KNX IP is an interface device to TP over IP. This device is the first of its class that needs no external power supply. Customer benefit is more space in the distribution board, less cabling, less mounting time, resulting in lower installation cost. This provides as an easy way to connect the PC to the KNX network. The moderate energy demand of the interface is covered from the KNX bus line. The UIM-KNX IP supports extended frame format length up to 240 bytes. Information about the device status and possibility for firmware update is offered via a web front end. This device is also available as OEM version. *Contact:* [www.tapko.de](http://www.tapko.de)

## Internet Service Gateway

**TECALOR GMBH** Tecalor heat pumps can now be easily integrated into a KNX building management system. This is made possible by the Internet Service Gateway (ISG). It is simply a matter of loading a software extension – an official KNX product. By linking the ISG to the Tecalor Portal, the ISG can be remotely equipped with the KNX IP capability. Around 100 functional parameters and pieces of appliance data are then available for the comprehensive integration of the heat pump into the KNX system. *Contact:* [www.tecalor.de](http://www.tecalor.de)







## Corian 3D touch button switches

**TENSE TOP DESIGN SWITCHES BVBA** Tense, Belgian trendsetter in top design switches, has created a very fancy series of 3D Corian INTENSITY touch button switches. The multi-color LED's of the four touch zones are lit up when touched, turning the INTENSITY into a pure architectural pleasure for the eyes. Tense offers a wide range of functions on the touch buttons making it so much more than just a normal switch. *Contact: [www.tense.be](http://www.tense.be)*

## New finishes

**TENSE TOP DESIGN SWITCHES BVBA** TENSE has its INTENSITY touch button switch and its INFINITY room controller now also available in brushed gold, gold, ferge forge and chrome. The multi-color LED's of the one/two/four touch zones are lit up when touched, turning the INTENSITY and INFINITY into a special and pure pleasure for the eyes. Tense offers a wide range of functions on the touch buttons making it much more than just a switch. *Contact: [www.tense.be](http://www.tense.be)*



## KNX weather station Meteodata 140 S



**THEBEN AG** Theben extends the series of Meteodata 140 S KNX weather stations with additional models with 24 V power supply and a "basic" version without rain sensor. All models feature the proven transparent housing, which lets the background colour shine through. The robust anemometer ensures a reliable measurement of the wind speed. Blinds and solar protection can now be controlled by the three light sensors to up to eight facades. The configurable rain sensor heater avoids confusing dew for rain: awnings and skylights are safely and reliably controlled at all times. *Contact: [www.theben.de](http://www.theben.de)*

## Presence detector PlanoSpot 360 KNX DE

**THEBEN HTS AG** The PlanoSpot 360 KNX DE from ThebenHTS has been built on the proven success of ThebenHTS presence detectors. As with previous presence detectors the PlanoSpot also features the square detection area, originally developed by ThebenHTS. The detection area can be reduced using the optional remote control from 64 m<sup>2</sup> to 22 m<sup>2</sup> via its integrated swivel mechanism. The lens can be oriented manually, securing optimal detection inside the room. Thanks to the calibrated 3-channel mixed light measurement, two lighting groups can be controlled independently. Functions such as constant lighting control, adaptive time delay, and many more complete the product's performance package. *Contact: [www.theben-hts.ch](http://www.theben-hts.ch)*





## Flex SC340

**TRIVUM TECHNOLOGIES GMBH** trivum, the expert for multi-room audio solutions, has developed the flexible and powerful FLEX series, specifically for the installation area. The Network Audio Player SC340 provides with its compact dimensions of just 16 x 20 cm, four independent streaming clients and four 30 W stereo power amplifiers for the living room overarching music enjoyment. Due to the low height of at most 4 cm, the SC340 is suitable for mounting on ceilings, walls, shelves or in electrical cabinets. The models can be bidirectionally integrated in KNX and can be combined with any other trivum product.

*Contact:* [www.trivum.de/sc340](http://www.trivum.de/sc340)

## REG RP310

**TRIVUM TECHNOLOGIES GMBH** With the new model, RP310 trivum expands his brand new REG series with a complete music system. In addition to the streaming client, the music system includes a stereo 2 x 30 W stereo amplifier. The streaming-client plays all actual formats and streams Internet radio stations and music service providers. Furthermore, the RP310 supports Apple AirPlay to get unlimited music access. It is controlled with the trivum own visualisation on the trivum TouchPad, the trivum app or KNX Group Addresses as well as third-party systems of KNX visualisation.

*Contact:* [www.trivum.de/rp310](http://www.trivum.de/rp310)



## MultiRoom Audio System ATRIX – now available as all-rounder



**VIATRON GMBH** With just one app all the important functions in the house are under control: this is the future. Therefore Viatron extends the central music distribution ATRIX with building control – seamlessly integrated in the KNX system. Choose your favorite song and visualise and control lights, blinds and heating at the same time – conveniently from the living room sofa via the platform – independent HTML interface. In addition, the ATRIX provides the ability to play audio files from a NAS drive on your local network. For the user, this means: comfort, safety and intelligent networking.

*Contact:* [www.viatron.de](http://www.viatron.de)

## 2-module flush-mounted KNX touch screen thermostat

**VIMAR SPA** This device not only manages the neutral zone and two temperature zones completely independently, but it also controls the room temperature in two or four pipe systems, also with a “boost” function, to rapidly reach the comfort temperature. It has an NC or NO programmable relay that can be used for generic use (switching on light/closing zone solenoid valve/activating electric towel heater, etc.) or to control the speed of the fancoil. It also has an NC or NO digital input for applications such as detecting an open window. The thermostat has a back-lit RGB touch display with configurable colors, used to set the temperature set point, fancoil speed and configure the device operating parameters.

*Contact:* [www.vimar.it](http://www.vimar.it)



## VISAM Touch Panel



**VISAM GMBH** 5.7 to 17 inch is the range of display sizes for the new HMI series VTP-B by Visam. The new design line is not only good looking, but especially brings practical innovations, such as the fully integrated front panel with matte surface, certified IP65 protection class and status LED. The touch panels are suitable for use in industrial environments as well as in building technologies. Mounting solutions for front panel integration, on- and in-wall mounting are offered. The feature-rich software supports KNX and enables the automation of buildings and facilities beyond function and manufacturers boundaries.

*Contact:* [www.visam.com](http://www.visam.com)

## Net'n Node 5 for KNX Free Edition

**WEINZIERL ENGINEERING GMBH** The latest release of this Software classic is now available as a free basic version: Net 'n Node 5 by Weinzierl is a powerful bus monitor and analyser designed for the development of KNX devices for all KNX media. Version 5 has been completely redeveloped from the ground up and now supports the KNX BAOS protocol. In addition, Net'n Node 5 can communicate directly with both the serial KNX BAOS modules as well as with the KNX/IP BAOS devices from Weinzierl. Net'n Node 5 is based on the SDK kdrive by Weinzierl and supports bus access via serial, USB and IP.

*Contact:* [www.weinzierl.de](http://www.weinzierl.de)



## KNX BAOS Module 830



**WEINZIERL ENGINEERING GMBH** BAOS Modules from Weinzierl are a cost effective way to make devices KNX capable. The modules serve as a serial interface to KNX. The compact KNX BAOS 830 as pin-compatible successor to the proven module 820 provides support for up to 1,000 Datapoints. The module includes a certified KNX stack (System B) and can be configured with ETS. A generic ETS database allows a quick start. Individual ETS entries can be created. For developers, a new BAOS development board with a Cortex M0+ controller and sample code is available. The free basic version of Net'n Node 5 supports the new module.

*Contact:* [www.weinzierl.de](http://www.weinzierl.de)

## Combo Modules ITR5XX Series

**YÖNNET** Yonnet presents new versions of its versatile product Interra Combo KNX actuator. It is now available with 4, 8, 12, 16, 20 and 24 channel outputs which allows the integrator to choose the better option for each project. Interra Combo actuator has been designed to meet the requirements of a smart building in just one device. Lighting, heating, shutter/blind (two and four outputs) and fancoil (two and four pipes) controls can be managed by this unique product. Outputs of combo module can be configured to different functionalities depending on the project needs, therefore supports many combinations. Modules are supplied over the KNX bus and do not need any other external power supply.

*Contact:* [www.yonnet.com.tr](http://www.yonnet.com.tr)





## DALIBOX Broadcast 4CH/6CH

**ZENNIO AVANCE Y TECNOLOGÍA, S.L.** Zennio expands its catalogue for lighting control with this KNX interface to control up to four DALI-channels (ref. ZDI-DB4) or six DALI-channels (ZDI-DB6) with up to 20 ballasts per channel, through broadcast commands. Up to ten scenes and/or sequences can be configured for each channel to create customised atmospheres. The manual control of the DALI-channels and monitoring of their status with LED indicators makes professional testing easier. It supports 110 V AC and 230 V AC main power.

Contact: [www.zennio.com](http://www.zennio.com)

## HeatingBOX 230V 4X/8X

**ZENNIO AVANCE Y TECNOLOGÍA, S.L.** This new Zennio actuator for climate systems based on water pipes allows the control of up to eight outputs (Ref. ZCL-8HT230) or four outputs (Ref. ZCL-4HT230) for on/off valves operated at 230 V AC. It includes an independent PI thermostat module for each output, alarms to avoid overheating and dew, cyclical monitoring, anti-seize protection and other useful features for heating control. Manual operation with the buttons in the enclosure and status indication through LEDs to ensure out-of-the-box professional testing and customer satisfaction. It is protected against short-circuit and overvoltage.

Contact: [www.zennio.com](http://www.zennio.com)



ETS5 eCampus

User Name  
KNX Login (e.g. KN000000) Password (10 characters)

Kotikansio  
Opetuskeskukset  
Oma tila

Tervetuloa KNX ETS5 eCampukselle

KNX ETS5 eCampus on verkkopohjainen koulutus, joka auttaa sinua pääsemään alkuun KNX:n peruskäsitteiden, väärä et ole aiemman perehtymät tähän teknologiaan. Lisäksi opit kumika maattimet ja työskentelet uudella ETS5:llä.

ETS5 eCampus Ominaisuudet

- Käsitteellisiä ETS perusteita, ETS5 Avaruudet ja työskentelet ETS5:llä, "askel askelta" -opintomateriaali
- Vierokoulutus
- Täydellinen "askel askelta" -simulaatio-alkuperäisellä ETS5:llä
- Kokousharjoitus Oppimistilanteesta, joka kasvattaa jokaisen täydellisen opintokerran jälkeen
- ETS5 eCampus Todistus - 85 % vähimmäisopintoprosentti vaaditaan
- Ominaisuus saat voimassa olevan etusetelin ETS Lite lisenssin ja voimassa olevan etusetelin perusteella ETS Lite:stä ETS Professionaliin

KNX as topic of an exchange program between Greece...

As part of an EU Erasmus Mobility in the Luxembourg KNX Training Centre the 14 Athens School EPAC students student exchange, bringing 10 teachers to Luxembourg. The programme was energy efficiency management with innovative systems, recent environment standards, and participation at a certified KNX National CNFTC, the Greek visitors were able to further intercultural exchange. During the KNX Basic Course, which was also participated, KNX National Group also organized an interesting agenda with visits of KNX projects, visit to a Museum of Contemporary Art, which is controlled by KNX, the green building, headquarter of the European Centre of the biggest KNX projects in Luxembourg. Jul 23, 2015 1:33:57 PM

The French National KNX Journal is available

The French National KNX Journal is available

## ETS eCampus available in four new languages

Since its contents have been updated to ETS5, the KNX ETS eCampus has once again proven a great success. Thousands of new users have joined this free online training, making it at the same time a unique community of ETS5 students. Now users can also use the new Finnish, Greek, Italian and Portuguese version. <http://my.knx.org>

## KNX books now available as ebooks.

Until now, the KNX books were only available in paper format. Due to the number of smartphones and tablets used worldwide, KNX Association is now offering most of its books in ebook format like KNX Handbook, Basic Course, Advanced Course. The ebooks are available via the Amazon website. If you want to see a list of the KNX books, have a look on this link: <http://www.knx.org/knx-en/training/books-documentation/knx-association-books/index.php>



Handbook for Home and Building Control  
Basic Principles



# National Groups



Nominated Projects in Austria / Winners of the KNX Austria Awards 2015

## KNX Austria held its 2015 Awards ceremony at Power Days in Salzburg

The annual KNX Austria Awards ceremony was held during "Power Days", the leading Austrian trade fair for electronics which took place in Salzburg in March 2015. The 1<sup>st</sup> prize was awarded to the project "HTL St. Pölten, Abteilung Elektrotechnik". This was a joint project by system integrators "Fa. Schmied & Fellmann" and Ing. Gerhard Hinterhofer of HTL St. Pölten. Due to the high quality of the other projects, a clear winner could not be decided for the 2<sup>nd</sup> prize, so this was turned into a shared

prize. The projects awarded the 2<sup>nd</sup> prize were "Bürogebäude/Firmensitz" in Vienna by system integrator Ing. Michael Auer di Gaspero of "Fa. Auer & Söhne Gebäudetechnik" and "Mehrfamilienhaus/Gewerbebetrieb in Wennis, Tirol" by system integrator Hannes Wultschnig of "Elektro Wultschnig".

Contact: Ernst Windhager | [ernst.windhager@siemens.com](mailto:ernst.windhager@siemens.com)  
[www.knxaustria.at](http://www.knxaustria.at)



The KNX Belgium booth covering 120 m<sup>2</sup> at Batibouw 2015

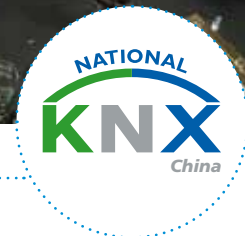


## KNX Belgium and KNX Professionals Belgium exhibit at Batibouw 2015

KNX Belgium participated for the fifth time with a booth at the Batibouw 2015 fair, the largest Belgian fair dedicated to the building trade covering the interior construction, building technology and machinery sectors. Batibouw mainly focuses on end consumers, but dedicates the first two days to professionals. This year more than 300,000 people visited and 1000 companies exhibited. KNX Belgium exhibited together with KNX Professionals

Belgium and had a 120 m<sup>2</sup> booth to show the latest KNX products and active applications. The aim was to convince both professionals and end consumers about the benefits of the KNX Standard, again with a concept involving four different boxes each focusing on different solutions. The fair was considered a great success by all members of KNX Belgium and KNX Professionals.

Contact: Herman De Vadder | [info@knx.be](mailto:info@knx.be) | [www.knx.be](http://www.knx.be)



Joost Demarest at the KNX Technical Forum / KNX China booth at GEBT fair

## KNX China at GEBT Fair

Once again, KNX China participated at the annual Guangzhou Electrical Building Technology (GEBT) fair. The KNX China Community Booth had a prominent location, attracting visitors with a highly visible KNX logo. Numerous KNX manufacturers took the opportunity to exhibit their newest KNX products at the KNX community booth, thereby creating the highest footfall at a booth of the whole fair. Next to the community booth, KNX was also present with an Agora booth for touch-and-feel experiences. The activities at this booth showed why KNX is

best for smart homes and buildings, by showing its principles of operation and the high energy savings potentials. Underlined by the sold-out KNX Technical Forum, opened by a presentation of Joost Demarest (CTO of the KNX Association), KNX Members delivered practically why KNX is to be considered the leading technology in China. The success of the GEBT fair proved that KNX is amongst manufacturers in China and the whole KNX community is on the rise.

Contact: Shen Pu | [info@knxchina.org](mailto:info@knxchina.org) | [www.knxchina.org](http://www.knxchina.org)

Save the Date:  
20.10.2015



KNX User Club  
Finland  
Facebook ryhmä



Prosperous event to be expected in Finland

## KNX Finland prepares to celebrate 25 years of KNX

KNX Finland held its yearly assembly at Ensto in Finland. The board consists of thirteen companies representing manufacturers, planners, installers and training centres. Veijo Piikkilä from the University of Applied Sciences in Tampere was re-elected as Chairman of the group and Johan Stigzelius was nominated as Operational Director. The meeting reported on recent activities including the fact that KNX Finland started its social media network and formed its Facebook group in February 2015 and

achieved 100 members by June. This number represents about a third of all the KNX partners in Finland. KNX is continuing to grow in the market place and after eight years, KNX Finland is now a factor in helping this market growth. KNX Finland currently has 96 companies and training centres as national group members. The meeting concluded with discussing the upcoming 25 years celebration event which KNX Finland is arranging at a large conference centre in Tampere.

Contact: Johan Stigzelius | [jstigzelius@gmail.com](mailto:jstigzelius@gmail.com) | [www.knx.fi](http://www.knx.fi)



KNX France application on Apple App Store and Google play



## KNX France publishes new journal and offers mobile communication tools

KNX France continues its development by welcoming new members and by expanding its communication tools. In addition, this summer KNX France published its new KNX Journal comprising numerous articles and prestigious references, along with the news about the latest products from its members. Besides these tools, this year KNX France is organising two workshops dedicated to ETSS to take place in the south and north of France.

KNX France will also participate in two of the largest exhibitions in the field of home automation: IBS in October and Interclima+elec in November. The group has also grown this year with the arrival of new members such as Legrand, Cherry and AFPA. The opportunity for training is growing as well, with an increased willingness of members to certify their KNX training centres.

Contact: Amel Karim | [contact@knx.fr](mailto:contact@knx.fr) | [www.knx.fr](http://www.knx.fr)



KNX Partners in the audience of the KNX Germany Kolloquium / Germany map where KNX Partners are shown



## More than 1100 KNX Partners offer their Services

Electrical contractors, system integrators and consultants being specialized by having attended certified KNX Training centers, can clearly distinguish themselves from their competitors and position themselves as certified specialist for Home and Building Electronic Systems. In addition these KNX partners can benefit from another advantage. They have the opportunity to register in a database "Your local KNX Partner". Via this online tool architects and consultants as well as builders can find out in a quick and simple way an acknowledged expert in their surround-

ings. This can simply be done by means of an embedded map of Germany. More than 1100 KNX partners make already use of this offer and become visible for round about 15000 visitors, who click every month on the website of KNX Germany. All KNX partners, who cannot be found already under "Your local KNX Partner", can register themselves free of charge on the website. Only certified KNX partners appear on the map of Germany in order to offer their services.

Contact: Hajo Deul | [knx@zvei.org](mailto:knx@zvei.org) | [www.knx.de](http://www.knx.de)



Mihir Shah presents on behalf of KNX Userclub India



## KNX India and KNX Userclub India continue on road to success

2015 was ushered by the general assembly in India. Next to discussions about the roadmap for 2015/16, a new board was elected. The new president is Suvankar Das (Hager), Vice Presidency is taken over by Sunil J (ABB). Secretary for the new term is Bhavesh Doshi (Entelechy Systems), and Suresh Babu (Sapthashree Engineers & Consultants) will hold the office of Treasurer. The KNX Association would like to thank the previous president, Taj Kollara, for his efforts in forming a stable and well-recognised successful association in the Indian market.

The assembly was followed by the first event of the KNX Userclub India – an interactive forum at which 35 participants from all over India gathered in order to learn more about KNX and also about the restructured KNX Userclub. Mihir Shah, along with Pallavi Gurudath, elected spokespersons of KNX Userclub India, hosted this event, which not only highlighted the activities of the KNX Userclub.

**Contact:** Bhavesh Doshi | [info@knx.in](mailto:info@knx.in) | [www.knx.in](http://www.knx.in)



KNX Japan for the 3<sup>rd</sup> time at Int'l Smart Grid Expo



## KNX Japan promotes KNX city at 5<sup>th</sup> Int'l Smart Grid Expo

For the third time, KNX Japan participated at the 5<sup>th</sup> Int'l Smart Grid Expo held in Tokyo in February 2015. The expo, at which KNX Japan had a bigger presence than before, showcased the ever-growing development of KNX in the Japanese market. The KNX Japan booth had contributions from various members and partners, including ABB, WAGO, and TÜV Rheinland, and attracted the interest of many visitors. The topic of demand response is a key focus in Japan, as cities are already facing many

problems due to the current developments of mega cities, and KNX city, the combined solution for smart cities, proved to be a magnet for visitors. After being an unknown technology in Japan, KNX has developed within the last two years to be one of the most recognised technologies. This is also underlined by the high demand for more KNX events in the market, and the agenda for KNX Japan is already full for 2015.

**Contact:** Takayuki Shintani | [info@knx.or.jp](mailto:info@knx.or.jp) | [www.knx.org](http://www.knx.org)





Best mood at AGM of KNX Luxembourg



## KNX Luxembourg's General Assembly features detailed introduction to ETS5

During the general assembly of KNX Luxembourg on 21 April 2015, André Hänel, System & Tool Manager from the KNX Association, gave a detailed introduction about the new ETS5, the latest version of the software tool for the design and commissioning of the KNX installations. Attendees considered the current ETS developments, such as KNX Security, as a very important step for the

KNX system. At the end of the meeting Alphonse Massard, the Secretary of KNX Luxembourg, delivered an ETS Professional license to Andre Dondelinger as a prize for being the winner of the lottery held at the "myenergy days" fair earlier in the year.

Contact: Alphonse Massard | [Alphonse.Massard@cnfpc.lu](mailto:Alphonse.Massard@cnfpc.lu)  
[www.knx.org/national-sites/luxembourg](http://www.knx.org/national-sites/luxembourg)



KNX Tutor Course participants in action / Congratulations to the successful participants



## KNX Tutor course in Mexico

During the last days of March 2015, the first course KNX tutor was held in the city of Mexico DF. This course was realized thanks to the collaboration between KNX International as well as the National Group KNX Mexico and the certified KNX Training Center: CPM Education and technology Center. As one of the first steps in this North American country, KNX has invested in training in order to set up more KNX representatives in different regions and cities of the country. The course consisted of full

week of intensive training to Mexican KNX professionals who had the opportunity to learn all topics from the KNX Advanced Course and the KNX Tutor Course. After the courses, the students had to pass their exams in order to receive their certification to those who passed the tests. The high success to the courses will ensure not only the opening of new KNX Training Centres but also the expansion of the KNX technology throughout the country.

Contact: Maribel Pacheco | [info@knx.mx](mailto:info@knx.mx) | [www.knx.mx](http://www.knx.mx)



Elk project begint met KNX

Woning- en gebouwautomatisering voor een toekomstvaste investering



Groene gebouwen



Brochures, e-letters and theme meetings for consultants and architects

## KNX Netherlands targets technical consultants and architects

As they are involved early in the construction process, technical consultants and architects play a significant role in determining, if there will be automated control and operation of electrical and HVAC installations. As a consequence, they are often the deciding factor for whether, or not, the installation is based on KNX, so KNX Netherlands is strongly committed to informing and persuading them of the benefits of KNX technology. KNX Netherlands has prepared informative brochures, organises an annual net-

work meeting with specific lectures, and issues an e-letter four times a year for these target groups. In addition, this year KNX Netherlands has launched a new campaign in which a working group is focussing on model tender specifications, based on KNX. These specifications will soon be able to facilitate and eliminate the concerns of technical consultants and architects, and this will give them a blueprint for developing KNX automated buildings.

**Contact:** Rob Van Mil | [info@knx.nl](mailto:info@knx.nl) | [www.knx.nl](http://www.knx.nl)



KNX Portugal team at ExpoRexel



## KNX Portugal takes advantage of growing interest in KNX

KNX solutions in Portugal are growing and so is the interest of professionals and the market. To take advantage of this opportunity, KNX Portugal accepted an invitation from Rexel to attend ExpoRexel from the 20 – 22 May in Batalha, Leiria, an industrial city in the centre of Portugal. The KNX Portugal stand was visited by around 2,000 installers, integrators and engineers interested in home automation. Integrated solutions using KNX technology allow energy efficiency, better building management con-

trol and more comfort for building occupants, and these advantages were presented at ExpoRexel. The flexibility of KNX to “grow” with the building in the future also received a positive response from visitors.

To highlight the growing interest in the market for KNX solutions, manufacturers also had a major presence with their own stands presenting KNX product and solutions, including ABB, Hager, JUNG and Schneider Electric.

**Contact:** Rui Horta Carneiro | [rui.carneiro@knx.pt](mailto:rui.carneiro@knx.pt) | [www.knx.pt](http://www.knx.pt)



The six KNX functional panels attracted visitors at Ambient Expo 2015



## KNX Romania attracts trade visitors at Ambient Expo

This year, KNX Romania participated with his own stand at the 22<sup>nd</sup> edition of Ambient Expo, an international trade fair for interior and outdoor products and systems, that took place from 26<sup>th</sup> – 29<sup>th</sup> March 2015 at Romexpo Exhibition Center in Bucharest. Ambient Expo is an important fair in the central and south-east region of Europe and is aimed at both the trade interested in the home and deco sector, and the general public interested in new trends

in technology, materials and design. The main attraction of the KNX Romania stand was the fully functional panels prepared by six of its members. This display provided the visitors, professionals and end users, not only with the opportunity to discuss KNX solutions for houses and buildings, but to enjoy playing with the demo systems.

**Contact:** Marian Simtina | [info@knx.ro](mailto:info@knx.ro) | [www.knx.ro](http://www.knx.ro)



Hands-on KNX solutions from KNX members / Active participation at KNX PlugFest



## KNX Russia, KNX Userclub Russia and KNX CIS and Baltic succeed with fully booked first KNX PlugFest

On the 27<sup>th</sup> May, KNX Russia, KNX Userclub Russia, KNX CIS and Baltic, Moscow State University of Civil Engineering and Messe Frankfurt RUS organised the first PlugFest. This new event gave local installers and integrators the opportunity to test building automation and smart house innovative products, that are compatible with the KNX protocol. ABB, Jung, Schneider Electric, EVIKA, dakanim, ESYLUX, iRidium mobile, Basalte, HDL Automation, Theben and NETxAutomation presented their latest in-

ventions and customer-friendly products. The event was fully booked with 80 participants from different fields. The feedback for this inaugural event was excellent and further editions are already planned: the second edition of PlugFest was held in August, and the final PlugFest will take place in November at Interlight Moscow with international participation.

**Contact:** Andrey Golovin | [golovin@konnex-russia.ru](mailto:golovin@konnex-russia.ru)  
[www.konnex-russia.ru](http://www.konnex-russia.ru)



KNX South East Asia cooperates with Stellar Corporate Advisory

## KNX South East Asia is very successfully by cooperation with Stellar Corporate Advisory

Successful past events of KNX South East Asia have resulted in an increase in KNX activities for every single member. Building on this success, the goal for 2015 is to organise even more events than in the previous year and to create more awareness for the worldwide standard for home and building control across the region. In order to cope with its increasing tasks and responsibilities, KNX South East Asia proudly announced its cooperation with

Stellar Corporate Advisory. Besides organising the 25<sup>th</sup> anniversary of KNX in Singapore, KNX South East Asia is looking at publishing a local KNX Journal and organising a KNX Award for the best KNX project in South East Asia. Thanks to the cooperation with Stellar Corporate Advisory, KNX South East Asia can look forward to the most active year in its history.

*Contact:* Celine Cheong | [info@knx.asia](mailto:info@knx.asia) | [www.knx.asia](http://www.knx.asia)



High interest in KNX in Africa



## KNX South Africa succeeds at Power&Electricity World Africa 2015

After the successful Road Show in 2014, KNX South Africa did not wait long before participating at its next event, Power&Electricity World Africa 2015 which was held in Johannesburg in March 2015. Topics presented to visitors were focussed on specific KNX solutions, as well as KNX city. This was due to the current energy crisis in South Africa where demand is exceeding capacity and there are no solutions going forward. Government rep-

resentatives were looking for solutions and the simple answer was "KNX city". From the first day of the fair, it was clear that this would not be the last time KNX South Africa would participate and the whole KNX community can look forward to more events organised by KNX South Africa.

*Contact:* Matthew Carter | [matt@knxsa.com](mailto:matt@knxsa.com) | [www.knx.org/za](http://www.knx.org/za)



KNX Spain holds General Assembly at the Wax Museum of Barcelona

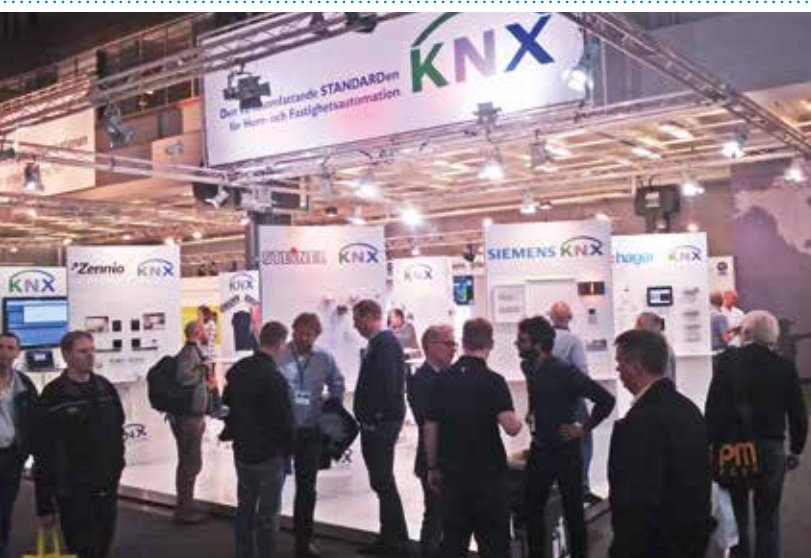


## KNX Spain elects new board at its General Assembly

KNX Spain held its annual General Assembly on May 25<sup>th</sup> in the historic surroundings of the Wax Museum of Barcelona. The venue was chosen to reflect the fact that 2015 is a historic year due to the 25<sup>th</sup> anniversary of the worldwide KNX standard. The most important events and activities since the last meeting were presented, as well as the planned events for the coming months. In this context, October 20<sup>th</sup> was particu-

larly highlighted as the day that the 25<sup>th</sup> anniversary will be celebrated worldwide. KNX Spain will hold its VI Congress KNX, on this occasion in Palma de Mallorca. According to its statutes, the General Assembly also elected the new board for KNX Spain: Álvaro Mallol of Dicomat/Wago is the President and Sergio Hernández of Siemens is the Vice-President.

**Contact:** Michael Sartor | [info@knx.es](mailto:info@knx.es) | [www.knx.es](http://www.knx.es)



Panels at KNX booth highly demanded due to prime location at ELFAK 2015



## KNX Sweden ensures high visibility at ELFAK 2015

The KNX Association was part of the well-known Scandinavian fair called ELFAK, that took place in Gothenburg, Sweden from 5<sup>th</sup> to 8<sup>th</sup> of May 2015. In collaboration with KNX Sweden, various events and activities were organized to promote KNX in this vibrant part of the world. The KNX booth had a prime location and attracted visitors of all types, in association with the local organization EIO. The presence of KNX technology was well supported by members such as ABB, Hager, Jung, Siemens, Schneider Electric, Theben, Esylux, Wago, Wieland and Zennio. Local training

centres also offered free introductory KNX training to visitors, and there was a skills competition between Norway and Sweden. Last but not least, KNX Association delivered a seminar entitled "KNX solutions for LEED strategies", which attracted not just enthusiastic people from the KNX world, but also construction companies and consultants. The seminar was followed by a presentation by Rikard Nilsson, President of KNX Sweden, that lead to interesting discussions with the attendees.

**Contact:** Jan Hammarsköld | [info@knx.se](mailto:info@knx.se) | [www.knx.se](http://www.knx.se)



All participants in front of the Olympic Museum



## KNX Switzerland holds premier general assembly in Romandie

On 13<sup>th</sup> March, KNX Switzerland organised its first general assembly which took place in the French part of Switzerland. The international Olympic Museum in Lausanne-Ouchy, which is equipped with a KNX installation and offered the perfect location, including a nice mountain and lake view. President Felix von Rotz welcomed 80 participants by opening the general assembly in both German and French, and was pleased to acknowledge that almost

all of the German-speaking members were present. The first day of the general assembly was concluded with a wine tasting at which discussions amongst members with different mother-tongues took place without any problem. The following day, 35 members departed to the Autosalon in Geneva. Both days were a huge success and proved that Romandie was the right location.

**Contact:** René Senn | [knx@knx.ch](mailto:knx@knx.ch) | [www.knx.ch](http://www.knx.ch)



Concurrent participation at SMAHome International / KNX Taiwan exhibits solutions at SMAHome Expo Conference



## KNX Taiwan celebrates its 4<sup>th</sup> birthday at SMAHome Expo

The first participation of KNX Taiwan at SMAHome Expo in Taipei, organised by Messe Frankfurt, was a major success. Members of KNX Taiwan, including HEP Technologies, Jung, Schneider Electric, Secta and TÜV Rheinland, gathered to celebrate KNX Taiwan's 4<sup>th</sup> birthday and to exhibit KNX solutions to a rapidly expanding market, which is known for its high potential in manufacturing. The highlight of KNX Taiwan's participation was a presentation at the concurrent conference, at which 50 participants from vari-

ous industries learnt more about the worldwide standard for home and building control. With more than 2,000 visitors during this three day exhibition, SMAHome Expo was one of the KNX Taiwan's most successful activities since its foundation in 2011. Motivated by this success, future activities have been planned and new members have already expressed their intention in joining.

**Contact:** Samuel Yang | [samuelyang@secta-taiwan.com](mailto:samuelyang@secta-taiwan.com)  
[www.knx.org/tw](http://www.knx.org/tw)



Installation of the year awarded to Design Innovation



## KNX UK announces award winners at 2015 AGM

The “Installation of the Year” award was given to Design Innovation for the Great Minster House Show Home and Concierge Area in Westminster, London, which led to the installation of KNX in 61 apartments, and demonstrates how KNX can be used to provide outstanding control when using multiple manufacturers. Siemens Building Technologies was awarded “Product of the Year” for the DALI Twin and the Twin Plus KNX, which introduce DALI-gateways supporting two fully operational DALI-channels, each with 16 scenes and 16 channels. “KNX Champion of the Year” was presented to Sophie Thomas

for an outstanding contribution to developing the KNX UK brand. Sophie achieved this during her time as marketing and events expert at Ivory Egg. “The KNX awards give a great opportunity to celebrate the talent we have within the KNX community. Each winner was very deserving in their category and showed a real understanding of the capabilities of KNX”, commented Iain Gordon, President of KNX UK. The 2015 AGM also featured an in depth talk on the new ETS5 software and a Q&A session hosted by the KNX UK President Iain Gordon.

Contact: Tara Gartland | [admin@knxuk.org](mailto:admin@knxuk.org) | [www.knxuk.org](http://www.knxuk.org)



KNX booth at LIGHTFAIR INTERNATIONAL / Founding members of KNX USA



## KNX National Group USA Founded

After numerous inquiries towards KNX to get active in the USA, KNX Association proudly held the foundation of KNX National Group USA. The foundation meeting was held during LIGHTFAIR INTERNATIONAL, the leading American exhibition for lighting and building automation solutions, in New York on May 6<sup>th</sup>. Next to the first event, the participation at LIGHTFAIR INTERNATIONAL from May 5<sup>th</sup> – May 7<sup>th</sup>, many activities have been already agreed on, such as the organising of workshops, forums and further participations at tradeshows

and exhibitions. The elected board of KNX USA, consisting of David Thurow (President of KNX USA – Siemens), Ty Saville (Vice-President of KNX USA – Somfy) and Marc-Antoine Micaelli (Secretary of KNX USA – DMC Technology), made clear that KNX will play a predominant role in the ongoing developments in the US market and thereby contributing to the worldwide success of KNX. All activities of KNX USA can be followed the KNX Facebook page or the official website of KNX National Group USA: [www.knx.us](http://www.knx.us).

Contact: Marc Antoine Micaelli | [ma.micaelli@knx.us](mailto:ma.micaelli@knx.us) | [www.knx.us](http://www.knx.us)

# KNX Userclub / Professionals



Impressions from the KNX Professional booth at the fair ELTEFA



## KNX Professionals Germany exhibits at ELTEFA 2015 in Stuttgart

KNX Professionals Germany exhibited at ELTEFA 2015, the most important regional trade fair in the electrical sector held in Stuttgart from 18 – 20 March. The joint member booth of KNX Professionals Germany provided the opportunity to introduce the topics of KNX integration, intelligent buildings and efficient lighting. Visitors

to the booth were offered the chance to win an ETS5 Professional license, and as an additional highlight, KNX Professionals Germany was distributing free entry tickets to the fair.

*Contact:* Dirk Müller | [info@knx-professionals.de](mailto:info@knx-professionals.de)  
[www.knx-professionals.de](http://www.knx-professionals.de)



1<sup>st</sup> Meeting of KNX Userclub Greece



## KNX Userclub Greece holds 1<sup>st</sup> meeting in 2015 at the National Technical University of Athens

On February 11<sup>th</sup>, more than 55 participants from Greece and Cyprus attended the first meeting in 2015 of the KNX Userclub Greece. This event was held at the premises of KNX Scientific Partner, the National Technical University of Athens (NTUA), and offered the unique opportunity to learn about the NTUA's current research project

about KNX. Furthermore, the event was accompanied by presentations given by representatives of KNX Training Centres and the KNX Association. The event concluded with the confirmation of Mr. Ioannis Stathopoulos as President of the KNX Userclub Greece.

*Contact:* Ioannis Stathopoulos | [yannipg@gmail.com](mailto:yannipg@gmail.com)





Foundation meeting / KNX Userclub Korea participating at "Global Electric Power Tech 2015"



## KNX Userclub Korea becomes 17<sup>th</sup> KNX Userclub

KNX Association welcomes KNX Userclub Korea. On 3<sup>rd</sup> April 2015, representatives gathered to discuss creating an exchange platform for KNX in Korea, with the goal of spreading knowledge about the standard and technology to users. KNX Userclub Korea has attracted strong associates, such as Hanyang University, Seoul Messe, ICN magazine and consulting companies, and its President is

Ik-Hwan Seo. Planned activities include ETS5 workshops and participation at the KNX Expo with KNX National Group Korea. KNX Userclub Korea is the 17<sup>th</sup> KNX Userclub, and its foundation underlines the great success of KNX in Asia.

*Contact:* Ik-Hwan Seo | [knxkorea@knxkorea.com](mailto:knxkorea@knxkorea.com)



Full house at KNX presentation for Order of Engineers & Architects in Beirut (OEA)



## KNX Userclub Lebanon introduces KNX to the Order of Engineers & Architects of Beirut

Shortly after the foundation of the KNX Userclub Lebanon and its current on-going registration process, the local association was contacted in order to present KNX to the governmental institution Order of Engineers & Architects of Beirut (OEA). Using examples of real-life KNX installations, a wide variety of presentations about each

KNX application area and further detailed information about KNX, were given to the audience of more than 100 participants, who were impressed by the many advantages of KNX.

*Contact:* Hrayr Dantziguian | [knx-userclub-lebanon@sodetel.net.lb](mailto:knx-userclub-lebanon@sodetel.net.lb)



KNX Professionals Award 2015 highly professionally organised



## High-quality submissions for KNX Professionals Award 2015

KNX Professionals Netherlands will announce the winner of its 2015 Awards at the trade exhibition party on Thursday, 1<sup>st</sup> October during Elektrotechniek. The quality of entries is exceptionally high and covers a wide variety of projects. For example, one of the projects submitted is the major renovation of the Siemens Netherlands headquarters, and another is the KNX-based automation

of the first Dolby cinema in the Netherlands. The jury consists of three KNX experts who, independent of any manufacturer or installer, will assess the projects submitted, nominate three submissions and finally choose one winner.

**Contact:** Ineke van Erp | [info@knx.nl](mailto:info@knx.nl) | [www.knx-professionals.nl](http://www.knx-professionals.nl)

## KNX Tutor Crash course organized in France

For the second time, the Louis Armand Lycée in Paris volunteered to host a KNX tutor crash course. Five of the participating candidates passed, paving the way for the first KNX certified training centre in the heart of Paris, as well as one in Lyon. This gives those interested in acquiring KNX installation and configuration skills in France the choice between a network of 25 KNX training centres.

Participants of the 2<sup>nd</sup> KNX tutor crash course at Lycée Louis Armand with their KNX trainer



## ZVEI invites to a Technical workshop

On 24 June, the ZVEI (German Electrical and Electronic Manufacturers' Association) organized a technical workshop devoted to regulations and standardization. Some time was also foreseen for building automation. Peter Knoll of the University of Biberach presented the results of a study that had been performed on energy consumption of building automation products. Joost Demarest of KNX was invited to talk about security in building automation.

Joost Demarest addressing the conference room during his presentation on KNX Security





# New Training Centres



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keita.mashino@jp.abb.com  
www.abb.co.jp



## Berufskolleg Olsberg

Germany

dreuter@berufskolleg-olsberg.de  
www.berufskolleg-olsberg.de



## Bildungsakademie der Handwerkskammer Ulm

Germany

n.kirste@hwk-ulm.de  
www.hwk-ulm.de



## Brao Integration

France

Jerome.brao@gmail.com



## Cooperativa de enseñanza

Jose Ramon Otero SCM

Spain

eva.torija@jrotero.es  
www.jrotero.es



## Domus Training Centre KNX

Chile

www.formacionknx@kdomus.cl  
www.kdomus.cl



## EAE Enerji A.S

Turkey

edalgic@eae.com.tr  
www.eae.com.tr



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Chile

esinac@esina.cl  
www.esina.cl



### Hager AG Kundencenter

Switzerland

Martin.stadler@hager.com

www.hager.ch



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Italy

domotica@issm.it

www.issm.it



### Istituto Salesiano SS. Redentore

Italy

domotica@cnoस्पuglia.it

www.cnoस्पuglia.it



### Interdomo KNX Training Center

Spain

formacion@interdomo.es

www.interdomo.es



### I. P. Cristo Rey

Spain

felipeag@crstoreyva.com

www.cristoreyva.com



### Kaiser Solution KNX training centre

Korea

onsyskorea@gmail.com

www.kaisersolution.com



### KNX groep B.V.

The Netherlands

info@knxtraining.nl

www.KNXtraining.nl



### Laboratory I-Home.ru

Russia

mail@i-home.ru

www.i-home.ru



### Landesberufsschule Voitsberg – VFVV

Austria

manfred.mazgan@lbs-voitsberg.ac.at

www.lbs-voitsberg.ac.at



### Lycée Louis Armand Paris

France

ce.0751708z@ac-paris.fr

www.lyc-louis-armand.ac-paris.fr



**Lycée Numérique Colbert**  
France

eric.david@ac-lille.fr  
www.lyceecolbert-tg.org



**Oulo University of Applied Sciences**  
Finland

Heikki.kurki@oamk.fi  
www.oamk.fi



**Philips KNX training Center – Dubai**  
United Arab Emirates

philips.knx.training.center@philips.com  
www.philips.com



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www.system-application.com



**VSB TU Ostrava**  
Czech Republic

Knx-training@vsb.cz  
www.knx-training.vsb.cz



**Tecport Pty Ltd**  
Australia

peter@tecport.com.au  
www.zennio.com.au

**More info:**

Visit our Website:  
www.knx.org





# New Scientific Partners



## Democritus University of Thrace Greece

agaster@pme.duth.gr  
www.robotics.pme.duth.gr



## ENSIATE France

jean-luc.beaugrand@ensiate.fr  
www.ensiate.fr



## Technological Educational Institute of Western Greece Greece

kchristopoulos77@gmail.com  
www.esda-lab.cied.teiwest.gr



## MyKNX now available in Greek

MyKNX, the platform for purchasing KNX tools, requesting support, managing your licenses, etc. is now also available in Greek. Customers who already have an account can change the communication language just by selecting it from their profile settings in MyKNX. <https://my.knx.org/el/index>

## New video: KNX at ISE 2015

KNX again exhibited at ISE, the best attended AV and systems integration trade show based in Amsterdam. At the KNX booth 7 KNX Members had their own panels where they presented their newest KNX products. The fair was once again considered as a great success. You can check a video report about KNX at ISE here: <https://www.youtube.com/watch?v=OiCvPIEUUxI>



# KNX at International Conferences and Fairs



## KNX Association Addresses European Standardisation Summit

**LATVIA** The 4<sup>th</sup> European Standardisation Summit took place on 4<sup>th</sup> June in Riga and was part of the programme of the Latvian Presidency of the Council of the EU. The theme was “How standardisation can contribute to a cleaner and smarter economy in Europe”, with a focus on construction. KNX Association was invited to speak about smart homes/buildings in the break-out session on “Energy efficiency of buildings”. *Contact: info@knx.org*

*Panel members of the break-out session on “Energy efficiency of buildings”*

## KNX Roadshow China concluded successfully in Guangzhou

**CHINA** After three stops, nine events and more than 250 participants, the KNX Roadshow China concluded with a major success in Guangzhou on 5<sup>th</sup> June. The overall outcome was very positive and inquiries for a third Roadshow in China were raised at every stop. The huge impact of each event and the fact that KNX is approved as a permanent GB/T standard in China, means this Roadshow marks the beginning of a new era in China. *Contact: info@knx.org*

*Participants at the Guangzhou stop of the KNX Roadshow China*



## KNX informs its members on strategic projects

**GERMANY** On 25 June KNX invited its German speaking members to a first ever KNX Technology Day in Frankfurt. Heinz Lux as CEO kicked off with the success story of KNX in the recent years. Joost Demarest, CTO, presented new technical projects. André Hänel showed new features of ETS5 and those planned for ETS Tablet and Core. Two KNX system providers closed with the topic of KNX RF and KNX Energy Harvesting.

*Contact: info@knx.org*

*André Hänel, System and Tool Manager, during one of his presentations at The KNX Technology Day*

## KNX city concept presented at the recent OMS Conference

**GERMANY** KNX is one of the founding members of the Open Metering System Group, a community of manufacturers with the goal to increase the interoperability between meters of different manufacturers based on the M-Bus technology. On 23<sup>rd</sup> of June, OMS held a conference in Aachen. KNX International was invited to report on the KNX city concept.

*The participants of the OMS Conference listening attentively to the speaker on stage*



## New KNX solutions presented at ISE 2015

**THE NETHERLANDS** Once again, KNX Association participated at Integrated Systems Europe (ISE) between the 10 – 12<sup>th</sup> February at the RAI in Amsterdam in cooperation with KNX members. The fair was preceded by the Smart Building Conference, where KNX was referenced as the ideal system for smart buildings in most presentations. As well as the seven members panels, the KNX school area at the booth was well-visited, and KNX Association also ran presentations in the residential and commercial solutions theatres.

*Contact: info@knx.org*

*The KNX Member panels and school area at ISE 2015*



## New KNX solutions presented at ISH 2015

**GERMANY** KNX Association again had a high profile at ISH in Frankfurt, the most important European trade fair for HVAC which attracted 198,000 visitors this year. The 150 m<sup>2</sup> booth focused on the KNX city concept and ETS5, offered regular training sessions, and featured solutions from ten members, professionals and training centres. Elsewhere at the fair, over 60 KNX members were also present with their own booths.

*Contact: info@knx.org*

*The KNX team at ISH 2015*



## KNX accreditation for TÜV Rheinland Hong Kong and Taiwan

**HONG KONG / TAIWAN** KNX Association took the occasion during the GEBT Fair to conduct a pre-accreditation audit of TÜV Rheinland Hong Kong and Taiwan. The result of the audit will allow both subsidiaries to finish their sample test reports and submit them to a final evaluation, after which they will be added to the list of KNX accredited test labs. This opens up new opportunities for KNX members in China. The picture shows the test lab representatives and test engineers of TÜV Rheinland Hong Kong and Taiwan in the presence of the KNX auditor.

*Contact: info@knx.org*

*Test lab representatives and engineers of TÜV Rheinland Hong Kong and Taiwan with the KNX auditor Joost Demarest*





# Events and Fairs Schedule



## BEX Asia 2015

2. – 4. 9. 2015  
Marina Bay Sands (Singapore)  
Building exposition in South East Asia  
focused on green building  
[www.bex-asia.com](http://www.bex-asia.com)



## Ineltec 2015

8. – 11. 9. 2015  
Basel (Switzerland)  
Switzerland's leading electronics  
and building fair  
[www.ineltec.ch](http://www.ineltec.ch)



## Biel light + building

15. – 19. 9. 2015  
Buenos Aires (Argentina)  
Biennial international trade fair  
for electrical engineering, electronics  
and lighting  
[www.biel.com.ar](http://www.biel.com.ar)



## Shanghai Intelligent Building Technology

23. – 25. 9. 2015  
Shanghai (China)  
Event that aims at brand building and  
invites professional buyers  
[www.shanghai-intelligent-building-technology.hk.messefrankfurt.com](http://www.shanghai-intelligent-building-technology.hk.messefrankfurt.com)



## Elektrotechnik 2015

29. 9 – 2. 10. 2015  
Utrecht (The Netherlands)  
The most important trade fair  
for the installer industry  
[www.elektrotechnik-online.nl](http://www.elektrotechnik-online.nl)



## Matelec Chile

7. – 9. 10. 2015  
Huechuraba (Chile)  
International trade fair for the  
Electrical and Electronics Industry  
[www.elektrotechnik-online.nl](http://www.elektrotechnik-online.nl)



## Hem & Villa Sweden

8. – 11. 10. 2015  
Stockholm, Sweden  
The largest do-it-yourself trade fair  
[www.hemochvilla.se](http://www.hemochvilla.se)



## Facilities Integrate 2015

15. – 16. 10. 2015  
Auckland (New Zealand)  
Trade exhibition for the facilities  
management and system integration  
industries  
[www.facilitiesintegrate.nz](http://www.facilitiesintegrate.nz)



## Global KNX city Day

20. 10. 2015  
Worldwide  
Global KNX city event  
to celebrate 25 years of KNX  
[www.knx.org](http://www.knx.org)



## Interclima + elec 2015

2. – 6. 11. 2015  
Paris (France)  
An opportunity to discover the most  
innovative solutions which combine  
energy efficiency and comfort  
[www.interclimaelec.com](http://www.interclimaelec.com)



## Interlight Moscow 2015

10. – 13. 11. 2015  
Moscow (Russia)  
International trade fair for lighting,  
electrical engineering, home and  
building automation  
[www.interlight-moscow.ru.messefrankfurt.com/moscow](http://www.interlight-moscow.ru.messefrankfurt.com/moscow)



## Wireless Congress: Systems and Applications

17. – 18. 11. 2015  
Munich (Germany)  
Wireless Congress is the forum for  
an exchange of knowledge and expe-  
rience among wireless professionals  
[www.wireless-congress.com](http://www.wireless-congress.com)



**Beurs Domotica & Slim Wonen**

18. – 19. 11. 2015  
 Eindhoven (The Netherlands)  
 Trade show mainly based on home and building electronic systems  
[www.smart-homes.nl](http://www.smart-homes.nl)

**CONCRETA**

**Contretra 2015**

19. – 22. 11. 2015  
 Porto (Portugal)  
 Professional construction fair held every two years  
[www.concreta.exponor.pt](http://www.concreta.exponor.pt)



**Taipei International Building, Construction & Decoration Exhibition**

10. – 13. 12. 2015  
 Taipei (Taiwan)  
 Largest and foremost international construction and building materials show in Taiwan  
[www.taipeibex.com](http://www.taipeibex.com)



**ISE Europe**

9. – 12. 2. 2016  
 Amsterdam (The Netherlands)  
 Europe's No. 1 event for the professional AV and electronic system industry  
[www.iseurope.org](http://www.iseurope.org)



**elecrama 2016**

13. – 17. 2. 2016  
 Bangalore (India)  
 India's biggest show for the electrical and Industrial Electronics Industry, held every two years  
[www.electrama.com](http://www.electrama.com)



**Batibouw 2016**

26. 2. – 8. 3. 2016  
 Brussels (Belgium)  
 Belgium's biggest building trade fair  
[www.batibouw.be](http://www.batibouw.be)



**Light + Building 2016**

13. – 18. 3. 2016  
 Frankfurt (Germany)  
 The world's leading trade fair for architecture and technology  
[www.light-building.messefrankfurt.com](http://www.light-building.messefrankfurt.com)



**Eliaden 2016**

1. – 3. 6. 2016  
 Oslo (Norway)  
 The industrial event where the entire electrical engineering industry will meet up  
[www.eliaden.no](http://www.eliaden.no)

**Imprint**

**KNX Journal international**

The KNX Journal is the international magazine for home and building control based on KNX technology. Experts, practitioners and professionals show the way in applying and developing the KNX standard – from home and building control trends to devices and application projects; from the KNX members and partners to useful information on event stand and publications. Special attention is given to members and activities of the KNX Association international and their national groups.

**Distribution**

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**Editor**

KNX Association cvba  
 De Kleetlan 5 Bus 11  
 B-1831 Diegem - Brussels, Belgium  
 Phone: +32 (0) 2 775 85 90  
 Fax: +32 (0) 2 675 50 28  
 Email: [info@knx.org](mailto:info@knx.org)  
 URL: [www.knx.org](http://www.knx.org)

**Editorial Office**

Redaktion KNX Journal  
 Friedrich-Wolf-Str. 16 A  
 12527 Berlin  
 Germany  
 Phone: +49 (0) 30 64 32 62 79  
 Fax: +49 (0) 30 64 32 62 78  
 Email: [knx-journal@knx.org](mailto:knx-journal@knx.org)  
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# YOUR PARTNERS



**Heinz Lux**  
CEO

✉ heinz.lux@knx.org  
☎ +32 (0)2 775 85 90



**Joost Demarest**  
CFO, CTO

✉ joost.demarest@knx.org  
☎ +32 (0)2 775 86 44



**KNX ASSOCIATION**  
De Kleetlaan 5 Bus 11  
B - 1831 Diegem-Brussels  
Belgium

**GENERAL CONTACT**  
Phone: +32 (0)2 775 85 90  
Fax: +32 (0)2 675 50 28  
Email: info@knx.org  
Web: www.knx.org



**Serge Creola**  
Sales & Support Manager

✉ sales@knx.org  
☎ +32 (0)2 775 85 90



**Casto Canavate**  
Marketing Manager

✉ casto.canavate@knx.org  
☎ +32 (0)2 775 85 91



**André Hänel**  
System & Tool Manager

✉ andre.haenel@knx.org  
☎ +32 (0)2 775 85 90



**Ufuk Unal**  
Certification Manager

✉ ufuk.unal@knx.org  
☎ +32 (0)2 775 86 53



**Angeliq De Scheemaeker**  
Sales

✉ sales@knx.org  
☎ +32 (0)2 775 85 90



**Thibaut Hox**  
Marketing

✉ thibaut.hox@knx.org  
☎ +32 (0)2 775 85 99



**Steven de Bruyne**  
System Architect

✉ steven.debruyne@knx.org  
☎ +32 (0)2 775 86 47

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KNX Tools Online Shop  
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KNX Online Support  
<https://my.knx.org>



**Christophe Parthoens**  
Support Engineer

✉ support@knx.org  
☎ +32 (0)2 775 85 90



**Christian Stahn**  
Marketing

✉ christian.stahn@knx.org  
☎ +32 (0)2 775 86 48



**Vassilios Lourdas**  
System Engineer

✉ vassilios.lourdas@knx.org  
☎ +32 (0)2 775 86 40



**Jesús Arias**  
KNX Solutions

✉ jesus.arias@knx.org  
☎ +32 (0)2 775 85 90



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# KNX AWARD 2016

KNX Association International is pleased to announce that applications can now be handed in for the KNX Award 2016, which will be granted at the Light + Building fair 2016 in Frankfurt (Germany) on the 15<sup>th</sup> March 2016.

The KNX Award rewards the smartest KNX projects in home and building control around the world, which stand out as regards innovation and technical progress. Applications are welcome from around the world in five categories (see above).

Price money: 1.000 € in each category

**Deadline for submission:**  
Friday, 20<sup>th</sup> of November 2015



**Info / Registration:**  
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