



Smart home and building solutions.
Global. Secure. Connected.

HOW TO BECOME A **KNX**PERT?

ETS eCampus

KNX Virtual

KNX Webinars

Certified
KNX Courses

KNX Literature



Join **us**
www.knx.org

If you want to get started with the new ETS6 and the KNX technology, but don't know where to start, KNX offers you a wide range of possibilities to learn the ins and outs of our new ETS6 software. By following this step-by-step plan, you will acquire all the knowledge and skills you need to easily develop the best automation projects with KNX and ETS6. But before you start, as a professional working with KNX, it is convenient that you have a MyKNX account that will become a key part of your daily activities and will also allow you to access several benefits. With MyKNX you can:

- Get access to exclusive promotions and events
- Interact with other KNX professionals
- Be the first to discover the newest KNX product launches and updates.
- Manage your software licenses and your certifications.
- Follow our KNX ETS eCampus, register for a webinar or sign up for a course in one of our certified training centres.

If you still don't have one, you can create a MyKNX Account here <https://my.knx.org/>

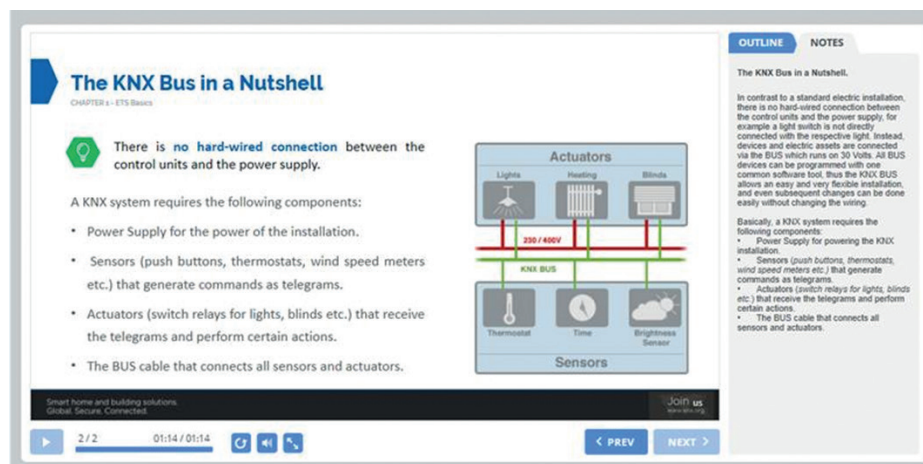
Step 1: Learn the basics with the (new) ETS6 eCampus online

The real magic of developing a smart home project with KNX is in our innovative software, the new ETS6. Our online eCampus provides you with a great introduction to the basics of KNX and ETS6, so that you can easily start with confidence on your first project.

To start with the ETS6 eCampus you will only have to create a personal MyKNX account. Through interactive lessons and video training you will learn the basic concepts and how to set-up a project, as simulated exercises help you to deepen your knowledge.



Steps to become ETS6xpert



ETS6 eCampus online. Theoretical explanation of KNX principles

With the ETS6 eCampus you can learn at your own pace: work through step-by-step, test your knowledge after each lesson, repeat a step if you fail and delight in your learning progress.

When you finished your lessons successfully (with a grade of minimum 85 %) you receive a Certificate of Achievement and a discount voucher to buy your first ETS6 Lite license.

You have now gained the first insights into smart home and smart building control with KNX! Now it is time to practice a bit more with a real ETS6 software and KNX Virtual devices.

Step 2: Install ETS6 and configure your virtual smart home device with KNX Virtual

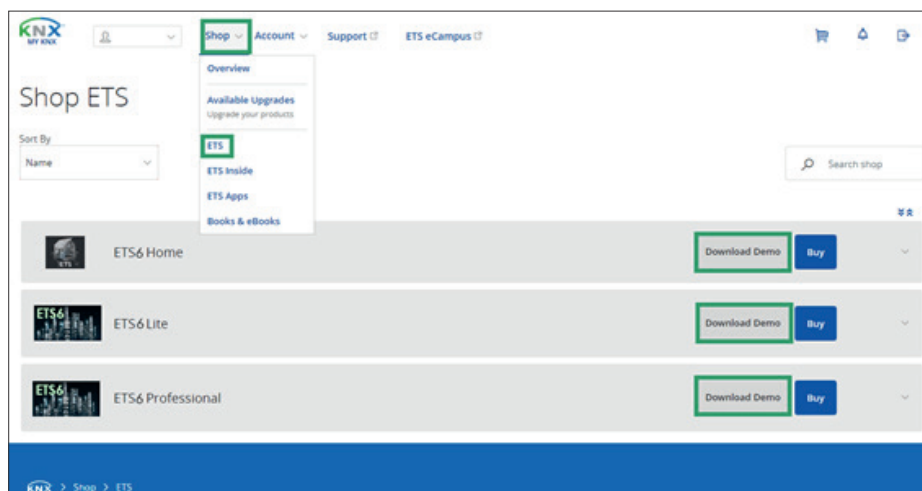
If you want to become more familiar with connecting devices with the new ETS6, you can start in only a few clicks thanks to KNX Virtual.

KNX Virtual will help you to learn the ETS6 basics and gain more confidence in working with KNX by setting up a simulated KNX installation using this tool. KNX Virtual is a Windows-based application simulating different types of KNX devices. The tool is free of charge and does not require any investment in hardware (such as power supply, USB or IP interface, KNX devices) as you only need to work with virtual devices (such as: light switches, temperature control, presence and motion sensors...) and ETS6 software.

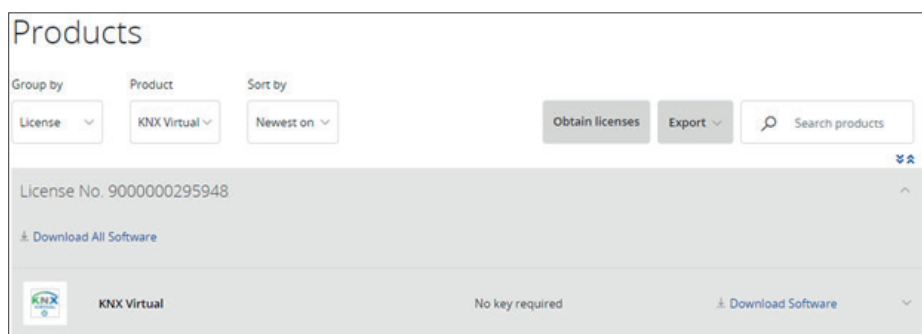
But first, you should download and install ETS6 on your computer. To do so, go to your MyKNX account and select ETS in the “Shop” Menu. You can download the ETS6 Demo from any of the links shown.

Then, you can easily download KNX Virtual via your MyKNX account. Simply go to our shop and add ‘KNX Virtual’ to your shopping basket. You will not be charged while finishing the order and will receive an email with a link to download the tool afterwards. Then, you can download, unzip and install the “KV.exe” file and launch (double-click) it.

KNX Virtual represents more than 20 different types of KNX devices, all connected to one TP line. These KNX devices operate upon several ‘building loads’ like lamps, dimmable lamps, blinds, heating and cooling valves, but also make it possible to rehearse with more advanced building features like weather modules, alarms, scenes and even logic operations.



Where to find ETS6 Demo in MyKNX



Where to find KNX Virtual before download and installation.



Image 10: One View of the KNX Virtual tool

Step 3: Extend your KNX knowledge with online KNX Webinars and KNX Literature

If you want to gain further knowledge about dedicated topics, the online webinars by KNX Association are the best choice for you. These online live presentations are about both technical as nontechnical matters. Simply follow from behind your computer and interact if you have questions.

Webinars offered by KNX Association are free of charge and are an extremely efficient way to acquire knowledge by means of short online presentations.

All KNX Webinars can be found on the KNX website and a full list of all upcoming webinars can be found here:

<https://www.knx.org/knx-en/for-professionals/training/knx-eacademy/webinars/>

KNX Association offers a vast selection of brochures and reference books, published by KNX Association and third parties. Besides the standardised KNX training documentation, used by the certified training centres, the 'KNX Handbook for Home and Building Control' is to be recommended especially for newcomers.

Where do I find KNX brochures?

All KNX brochures are available in various languages on the KNX website as a free download.

<https://www.knx.org/knx-en/for-professionals/downloads/>

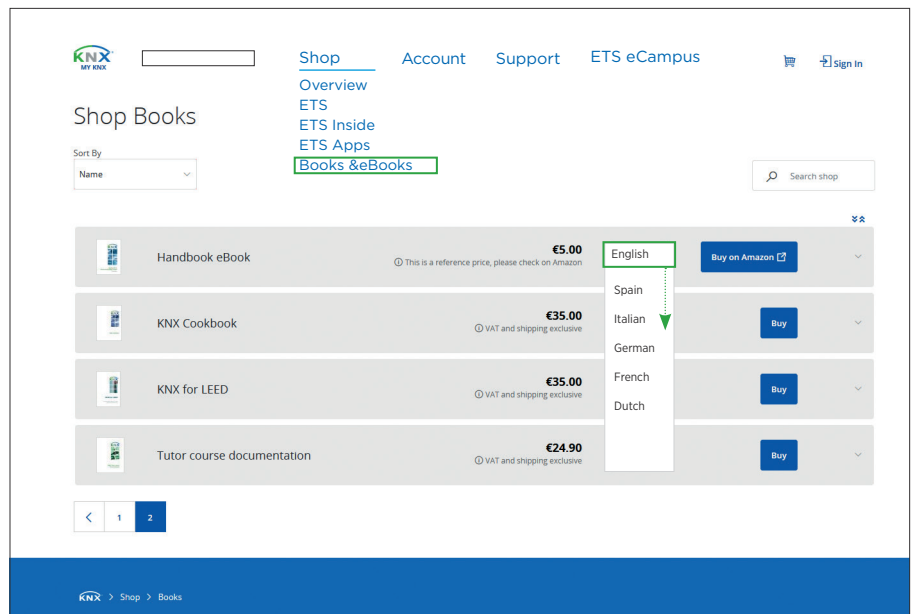
Where do I find KNX literature?

All publications of KNX Association can be ordered in your MyKNX account or on Amazon.

<https://my.knx.org/en/shop/books>



KNX Literature



Books & eBooks section at MyKNX



Types of KNX Certified Courses.

Step 4: Become a certified KNX Partner

Ready for the first professional step? Then it is time to follow a course in one of our KNX Training Centres which offer different courses you can find all over the world! After successfully finishing a course, you will receive a certificate to prove your knowledge and skills. There are several models of certified KNX training: KNX Basic course, KNX Advanced course, KNX Tutor course, KNX HVAC Specialist course, KNX Refresher course.... The KNX Basic course is the first course that one must attend to become a KNX Partner and to be listed as a KNX Partner on the KNX website. The theoretical and practical part of the Basic course is organized in person. It is however possible that the theoretical part of the course is also organized online. A Certificate will help to increase your visibility and boost your professional career not only technically, but commercially as well. As a certified professional you get featured as an official KNX Partner on our website.

Topics of the KNX Basic course

Topics

- 1 KNX System arguments
- 2 KNX System overview
- 3 KNX Topology
- 4 KNX Bus devices
- 5 KNX Installation
- 6 ETS6 Project Design: Basic
- 7 ETS6 Commissioning
- 8 ETS6 Diagnostics
- 9 KNX RF
- 10 Theoretical exam
- 11 Practical exam

Find a Training Center here:

<https://www.knx.org/knx-en/for-professionals/community/training-centres/>

After completing the KNX Basic course, you can continue improving your skills on KNX and ETS6 by participating in further KNX certified courses.

All KNX standardized course types are described in this article:

<https://support.knx.org/hc/en-us/articles/360021058579>

Topics of the KNX Advanced course

Topics

- 1 Flags
- 2 HVAC control with KNX
- 3 Interworking
- 4 Couplers
- 5 IP Communication
- 6 KNX Secure
- 7 KNX Telegram
- 8 Lighting control
- 9 Security technology
- 10 Logic operations
- 11 Visualization systems
- 12 Fail-safe planning (informative chapter)
- 13 ETS6 Apps (informative chapter)
- 14 KNX & Multimedia (Informative chapter)
- 15 KNX & Smart metering (Informative chapter)
- 16 Theoretical exam
- 17 Practical exam

Topics of the KNX HVAC Specialist course

Topics

- 1 Basic Know-how
- 2 Heat distribution systems
- 3 Heat generators
- 4 Legal framework
- 5 To understand "Steering and adjustment"
- 6 Heating control
- 7 Drinking water
- 8 Energy efficiency with KNX
- 9 Theoretical exam

KNX Professionals installing KNX devices that have an impact on the proper functioning of HVAC components that in most cases are installed by a different company or person, must have sufficient knowledge on HVAC (technical terms

and their implications) in order to be able to properly coordinate the work with the company that has installed the HVAC components. The theoretical and practical part of the course is organized either in person or online.

Topics of the KNX Tutor course

Topics

- 1 KNX Requirements for training centres
- 2 Structure and Scope of KNX Association
- 3 KNX Software
- 4 History of bus Systems
- 5 Serial data transmission & KNX protocol
- 6 Microcontrollers
- 7 Application program
- 8 KNX Certification scheme for products
- 9 Theoretical exam

KNX Tutor courses are offered for those students who want to start up a certified KNX training centre themselves or who want to work as a KNX tutor at an already certified KNX training centre. The theoretical part of the course is organized either in person or online. The theoretical exam is always organized in person in the presence of a KNX tutor.

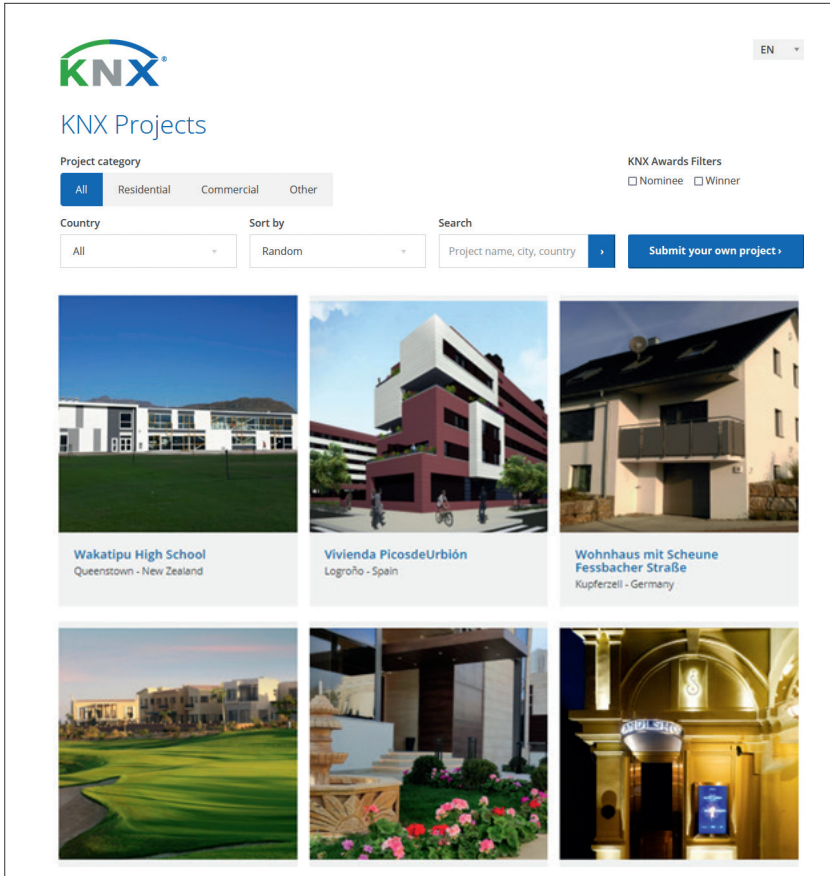
Topics of the KNX Refresher course

Topics

- 1 Project Design ETS6: Basic
- 2 Commissioning ETS6
- 3 Diagnostics ETS6
- 4 KNX Topology
- 5 KNX RF

The KNX Refresher course is a course that targets KNX partners who have followed the Basic course in the past. Thanks to this course, a KNX partner can refresh and develop his/her KNX skills further by receiving the most recent information on KNX system and tools novelties. The KNX Refresher course can be attended fully online or in person and there is no exam.

Step 5: Show your Projects and get visibility as KNX Professional for the entire World



KNX Project Platform

Once, with the experience and knowledge acquired, you are successful in your building and home automation projects with KNX, you can show the world your most successful and significant works.

The KNX Project platform gives visibility to your projects, whatever their type, on a website that can be accessed by any potential client. In addition, you can opt for the prestigious KNX International Awards that are held every two years.

Submit your projects on the KNX Project Platform here: <https://projects.knx.org/>

Finally, your level of knowledge, commitment to KNX and the successful projects that you have carried out with KNX will help you to appear together with the best partners in your region, country and around the world. KNX can help you to have great visibility therefore with the new KNX Partner Ranking showing your strengths in number of categories such as Knowledge, Tools, Engagement, Realized KNX Projects and Customer feedback.

Learn more about the KNX Partner Ranking here:

KNX Partner Ranking Explained:
<https://support.knx.org/hc/en-us/articles/360021038740-KNX-Partner-Ranking-explained>

Number of credits:

<https://support.knx.org/hc/en-us/articles/360021060119>

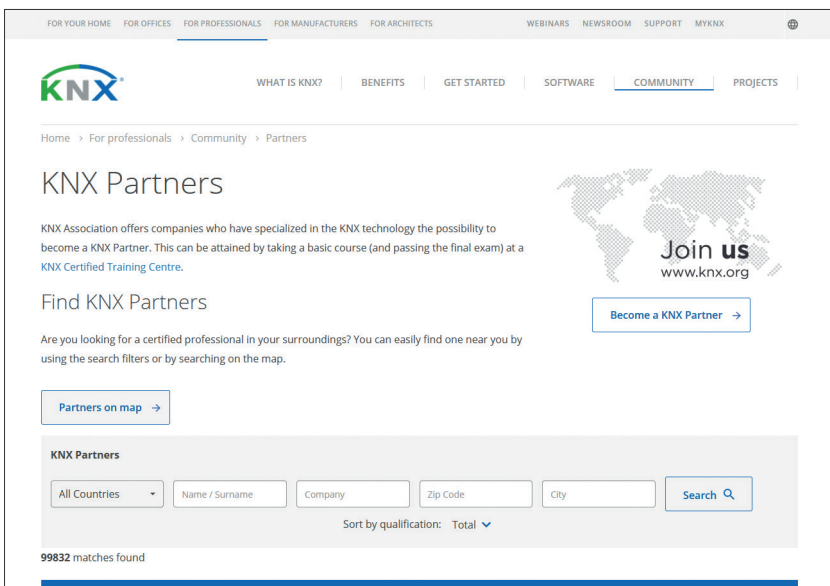
Current KNX Partner Ranking:

<https://www.knx.org/knx-en/for-professionals/community/partners/>

or

<https://www.knx.org/knx-en/for-professionals/community/partners/search/>

Now you know how to start taking steps on this exciting path that you can initiate with KNX and ETS6. We will always accompany you. Do you accept the challenge?



KNX Partners Ranking page



Smart home and building solutions.
Global. Secure. Connected.



Join us
www.knx.org