

BUILDING ACADEMY – SMART BUILDINGS, 10<sup>TH</sup> TO 14<sup>TH</sup> JULY 2023

# Certified KNX Advanced Course

## GENERAL INFORMATION

ABB contact	Your <a href="#">local ABB</a>
Date	10 <sup>th</sup> to 14 <sup>th</sup> July 2023
Prerequisite	Passing the KNX Basic exam (KNX Partner)
Training location	ABB Customer Training Center Heidelberg/Germany Building 11 Eppelheimer Str. 82 69123 Heidelberg, GERMANY <a href="mailto:eventmanager-hd@de.abb.com">eventmanager-hd@de.abb.com</a>
Trainer	Jürgen Schilder KNX Certified Tutor Building Academy Smart Buildings

<b>MONDAY, 10<sup>TH</sup> JULY 2023</b>	<b>SEMINAR ROOM “EDISON”</b>
09:00	Welcome
	Working with ETS6
	KNX Telegram
	Logic operations
17:00	Practical Training: Diagnostics, logic operations and scenes

<b>TUESDAY, 11<sup>TH</sup> JULY 2023</b>	<b>SEMINAR ROOM “EDISON”</b>
09:00	Flags
	Interworking
	ETS Apps
	Security Technology and System <ul style="list-style-type: none"> <li>▪ System overview</li> <li>▪ Uninterruptible KNX Power Supply</li> <li>▪ Security Terminals MT/S and MT/U</li> <li>▪ Security Module SCM/S</li> </ul>
17:00	Practical Training: Security Terminals

<b>WEDNESDAY, 12<sup>TH</sup> JULY 2023</b>	<b>SEMINAR ROOM “EDISON”</b>
09:00	Line Coupler and IP Router
	IP Communication
	KNX Secure
	Lighting Control & DALI <ul style="list-style-type: none"> <li>▪ Light Controller and Light Sensor</li> <li>▪ DALI Technology</li> <li>▪ DALI Gateways</li> </ul>
17:00	Practical Training: IP Router and DALI Lighting Control
<b>THURSDAY, 13<sup>TH</sup> JULY 2023</b>	<b>SEMINAR ROOM “EDISON”</b>
09:00	Fail-safe planning
	Visualisation systems
	KNX and Smart Metering
	HVAC control with KNX – Heating and Cooling <ul style="list-style-type: none"> <li>▪ Room Thermostats</li> <li>▪ Actuators (e.g. Fan Coil Controller, Electronic Switch Actuator)</li> </ul>
17:00	Practical Training: Heating and Cooling
<b>FRIDAY, 14<sup>TH</sup> JULY 2023</b>	<b>SEMINAR ROOM “EDISON”</b>
09:00	KNX and Multimedia
	Theoretical and practical exam according to KNX rules
	Awarding of KNX Certificate
16:00	Final discussion and end of the Seminar

## SEMINAR DETAILS

### **Participation:**

- The seminar is offered only to participants from countries without a local, manufacturer independent certified KNX training center. The training is open to ABB employees and their customers.
- A participant must have successfully passed the KNX Basic course exam and must be registered in the “MyKNX-database” as KNX partner
- The participation is limited to max. 14 people
- The training language will be English
- For further information (seminar fee, arrangement support, visa, etc.) please contact your [local ABB](#)

### **Additional product and application training:**

- Additionally, in order to go into greater technical depth, we have reserved the Monday and Tuesday (17<sup>th</sup> and 18<sup>th</sup> July) after Certified KNX Course for ABB product and application training for those participants who wish to stay on. Our goal is to build on the basic KNX knowledge gained in the Certified Course in order to be able to create customer specific solutions.
- An additional registration for the product and application training is required