

BUILDING AUTOMATION REGIONAL COMPETENCE CENTER SINGAPORE

# Certified KNX Basic Course

Course ID : xxx/2020/xxxxx

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## GENERAL INFORMATION

ABB contact	Regional Competence Center Singapore , <a href="mailto:rccasia-support@abb.com">rccasia-support@abb.com</a>
Date	21 <sup>st</sup> to 25 <sup>th</sup> September 2020
Training location	TBA
Trainer	KNX Certified Tutor ABB ELSB Building Automation – Regional Competence Center Singapore

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### DAY 1 - MONDAY, 21<sup>ST</sup> SEPTEMBER

**LOCATION : TBA**

09:00	Welcome
	Basics of KNX
	Differences between KNX and conventional installations Applications, examples and possibilities of KNX
	Product overview
	Communication
	Group addresses and objects, block diagrams
17:00	ETS5 Professional: Introduction, basics and settings Creating a project, set up a building structure, insert bus devices, set parameters of bus devices, link group addresses, ...

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### DAY 2 - TUESDAY, 22<sup>ND</sup> SEPTEMBER

**LOCATION : TBA**

09:00	Topology
	KNX-hierarchy and couplers
	Division of lines in a project
	Optimum distribution of the KNX-structure within the project
	Commissioning of KNX devices in a line
17:00	Controlling of lights (switching, group and central functions)

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**DAY 3 - WEDNESDAY, 23<sup>RD</sup> SEPTEMBER    LOCATION : TBA**

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09:00	Flags of group/communication objects
	KNX Data Point Types (KNX Interworking Standard)
	Diagnosis functions of the ETS5 Professional
	Controlling of lights (switching, dimming and set values)
17:00	Controlling of shutter/blinds

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**DAY 4 - THURSDAY, 24<sup>TH</sup> SEPTEMBER    LOCATION : TBA**

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09:00	Directives for the installation (SELV, bus cable, ...)
	Structure of a KNX device
	Line coupler (TP and IP)
	Commissioning of KNX devices with line coupler in a line
	Line coupler (controlling of lights and shutter/blinds)
17:00	Find installation and commissioning errors and solve them

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**DAY 5 - FRIDAY, 25<sup>TH</sup> SEPTEMBER    LOCATION : TBA**

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09:00	Find installation and commissioning errors and solve them
	Theoretical and practical exam according to KNX-rules
	Final discussion
	Awarding of KNX certificate
15:00	End of certified KNX Basic Course

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**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 who has successfully completed the course and final examination will receive the official KNX Certificate and become a KNX Partner
- The participation min. 4, max. 8 participants.
- The training language will be English
- For further information (seminar fee, arrangement support, visa, etc.) please contact your [local ABB](#)