

# HVAC Automation and Energy Monitoring

<b>DESCRIPTION</b>	<p>It is a known fact that HVAC tops the list of energy consumers in a building and it is estimated to be 30-50% of total costs. ABB i-bus® KNX intelligent building control integrates the heating, air-conditioning and ventilation to a coherent and efficient climate control. Measured temperature values in the rooms are recorded and supplied to the heating and cooling control to generate the optimum temperature and air quality.</p> <p>Objectives are optimization of resources, climate protection, and cost saving while keeping the comfort level of users at its highest.</p>
<b>PREQESITE</b>	Basic knowledge of standard electrical installations
<b>TARGET GROUP</b>	Local ABB organizations and System Integrators
<b>LANGUAGE</b>	English
<b>GENERAL INFORMATION</b>	
ABB contact	Your <a href="#">local ABB</a>
Date	29 <sup>th</sup> October 2020
Training location	RCCASIA Training Room
Trainer	ABB ELSB - Competence Center Asia
<b>DAY 1, THURSDAY, 13<sup>TH</sup> AUGUST 2020</b>	<b>RCCASIA TRAINING ROOM</b>
09:00	Welcome
09:15	<p><b>Heating, Ventilation and Air Conditioning Introduction.</b> fan coil controllers, split unit gateways and application controllers</p> <p><b>Energy Monitoring EQmatic Introduction.</b> Modbus, M-Bus and KNX options</p>
10:30	Coffee / Tea Break
10:45	<p><b>ABB ClimaECO</b> combines heating, ventilation and air conditioning in one holistic solution, a true ecosystem based on the worldwide standard for Home and Building Control, ABB i-bus® KNX. From central control and management of heating and cooling systems down to room-level automation, ABB ClimaECO simplifies the implementation of intelligent automation in modern buildings.</p>
13:00	Lunch
13:45	<p><b>ABB EQmatic Energy Analyzer</b> is a compact solution for monitoring, logging, visualizing and analyzing energy and consumption data from electricity, gas, water or heat meters via KNX, M-Bus or Modbus RTU. The web-based user interface is individually configurable to the respective requirements and makes it possible to identify energy thieves and optimize energy costs sustainably.</p>

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15:00	Coffee / Tea Break
15:15	<p><b>The IoT Dashboard</b> is user-friendly and easy to use, giving electrical installers with no pre-knowledge of dashboards or visualization a simple route into the Smart Building market. The new IoT Dashboard comes with pre-programmed frames and allows strong control and monitoring of all automated building functions, from dimming and switching of lights to controlling blinds, heating and ventilation. It is a way to control Smart Buildings from any device, anywhere and at any time. It helps end users (e.g. facility managers) to monitor and control their building automation solutions in an intuitive and responsive way.</p>
17:30	Goodbye

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#### SEMINAR DETAILS

**Participation:**

- The training is open to ABB employees and their customers.
- The participation is limited to max. 10 people
- The training language will be English
- For further coordination please contact your Your [local ABB](#).