### Name of the Unit:
Operate, adjust parameters and check proper function of Building Systems

### Reference to the qualification:
Vocational Qualification in Building Maintenance Technology (FI)

### Area of work tasks:
Vocational qualification in Energetic Installations and Renewable Energy Sources

<table>
<thead>
<tr>
<th>Description of the Unit:</th>
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<tr>
<td>He/She is able to operate components of building systems according to instructions and to make settings and to check their proper function (Unit 2.1 of the IT-BSE matrix).</td>
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### Knowledge
- He/she is able to:
  - read wiring schemes
  - read the instruction manual to check proper function of
    - photovoltaic systems
    - combined heat and power plants
    - power distribution units
    - measuring units
    - automation systems
    - compensation systems
    - lighting systems
    - alarm systems
    - access control systems
    - fire extinguishing systems
  - read technical documentation to adjust parameters of components of
    - PV-systems
    - combined heat and power plants

### Skills
- He/she is able to:
  - operate, adjust parameters and check proper function of components of photovoltaic systems
  - operate, adjust parameters and check proper function of components of combined heat and power plants
  - operate, adjust parameters and check proper function of components of power distribution units
  - operate, adjust parameters and check proper function of components of measuring units
  - operate, adjust parameters and check proper function of components of compensation systems

### Competence
- He/she is able to:
  - cooperate in a multicultural team and adjust work steps with colleagues
  - plan and carry out work tasks autonomously and professionally
  - communicate in English with colleagues and customers
  - understand and consider customer needs and requirements
  - handle customer orders and customer acceptance
ECVET for geographical mobility

- power distribution units
- measuring units
- automation systems
- compensation systems
- lighting systems
- alarm systems
- access control systems
- fire extinguishing systems

- describe the functioning of electrical equipment
- describe operating of components of
  - PV-systems
  - combined heat and power plants
  - power distribution units
  - measuring units
  - automation systems
  - compensation systems
  - lighting systems
  - alarm systems
  - access control systems
  - fire extinguishing systems

- describe technical norms
- describe regulatory requirements

lighting
- operate, adjust parameters and check proper function of components of emergency lighting
- operate, adjust parameters and check proper function of components of light management and light control
- operate, adjust parameters and check proper function of components of building automation according to instructions
- operate, adjust parameters and check proper function of components of fire alarm systems
- operate, adjust parameters and check proper function of components of intrusion alarm systems
- operate, adjust parameters and check proper function of components of access control systems
- operate, adjust parameters and check proper function of components of fire extinguishing systems

Additional information: The Unit will be acquired during a 6 week learning phase in a company. The learner has to achieve at least 50% of the described learning outcomes depending on the companies order inflow and the learners progress in relation to the learning pathway. The learning outcomes are assessed with standardized descriptor-oriented evaluation sheet.

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