Projekt: IT-BSE Building Service Engineering

Name of the Unit:	**Assemble and dismantle components of building systems**	
Reference to the qualification:	**Vocational Qualification in Building Maintenance Technology (FI)**	
Area of work tasks: Plant mechanic for sanitary, heating and air conditioning systems (m/f)	EQF-level: 4	DQR-level: 4
Description of the Unit: He/She is able to assemble and dismantle particular components of building systems according to given assembly/disassembly schedules regarding established norms and standards and to carry out the associated wiring (Unit 1.1 of the IT:BSE-Matrix)		

Knowledge	Skills	Competence
He/she is able to: • describe installation and operation mode of heat generators, fuel supply and exhaust gas systems, heat distribution systems, roomheating systems, systems for heat energy storage, air conditioning and ventilation systems, drinking water systems including decentralized heating systems, fresh water storage devices, drainage systems, electrical systems for the connection of relevant devices • name the relevant technical norms • describe regulatory requirements • read engineering drawings • describe the working steps of a useful connection method • name important safety facilities • describe health and safety requirements and suitable measures in the case of an accident	He/she is able to: • install heat-generators to heat buildings and drinking water, connect them with heat distribution, fuel supply and exhaust gas systems, • establish connections to electrical systems • Install and concept pipes for heat distribution systems • Install roomheating systems and connect them to the heat distribution system • Install systems for heat energy storage and connect them with the heating and distribution components • Install and connect pipes of fuel supply systems • Install fittings and facilities of fuel supply systems • Install components for the supply of fresh air, air conditioning and cooling of building	He/she is able to: • Cooperate in an multicultural team and adjust work steps with collegues • Plan and carry out work tasks autonomously and professionally • Communicate in English with colleagues and cutomers • Understand and consider customer needs and requirements • Handle customer orders and customer acceptance

	systems • Install ventilation ducts • Install and connect pipes of drinking water systems • Install components and devices for storage and decentralized heating of drinking water • Establish the water and electrical connection • Install and connect drainpipes • Install fittings and facilities of drainage systems • Install components to equip sanitary rooms and connect them with drainage system • document installation procedure	
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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