IT:BSE

Building Service Engineering

Bezirksregierung Köln

EU-Geschäftsstelle

Zeughausstraße 2-10

50667 Köln

Adolf-Kolping-Berufskolleg

Ina-Seidel-Straße 11

50169 Kerpen-Horrem

Assessment instruments – work related competence

Evaluation of the work placement

Student's name: …………………………………………………………………………………………..

Company: …………………………………………………………………………………………

Name and position of instructor: ……………………………………………………………………………….

Date of work placement: …………………………………………………………………………………..

Competence area:			
Competence area 3- competence development step 1 **Learning unit:** He/She is able to take components of building systems into operation according to instructions and customer specification. He/She is able to install and configure relevant software systems.			
Descriptors	**Good**	**Satisfac-tory**	**To be improved**	**Comments**
Systems and installations of electric power supply (including regenerative energies).			
He/She is able to take components of electric power supply into operation according to instructions and customer specification. He/She is able to install and configure relevant software systems.			
PV-systems (e.g. inverters, storage systems, overvoltage protection, UPS,…)				
Combined heat and power plants (e.g. cogeneration units, fuel cells, gas engines…)				
Power distribution units (e.g. switchgears, main and sub-				

distributions…)				
Measuring units (e.g. measuring equipment, Smart Meetering…)				
Compensation systems (e.g. capacitors, overvoltage protection…)				
Comments if it is necessary				

Systems and installations of general lighting technology and emergency lighting.				
He/She is able to take components of general lighting technology and emergency lighting. into operation according to instructions and customer specification. He/She is able to install and configure relevant software systems.				
General lighting (e.g. luminaires, lamps...)				
Emergency lighting (e.g. safety and exit luminaires, power supply…)				
Light management and light control (e.g. Digital Addressable Lighting Interface (DALI), daylight sensor, presence detectors…)				
Comments if it is necessary				

Systems and installations of building automation			
He/She is able to take components of building automation into operation according to instructions and customer specification. He/She is able to install and configure relevant software systems.			
Sensors (e.g. temperature sensors, CO2-sensors, luxmeter…)			
Actuators (e.g. blinds, drives, luminaires…)			
Bus systems (KNX, LON, Mbus…) (e.g. bus coupler, power supply…)			
Comments if it is necessary			
Systems and installations of safety systems and emergency power supply			
He/She is able to take components of safety systems and emergency power supply into operation according to instructions and customer specification. He/She is able to install and configure relevant software systems.			
Fire alarm systems (e.g. sensors and actuators of fire alarm systems…)			
Intrusion alarm systems (e.g. sensors and actuators of intrusion alarm systems)			
Access control systems (e.g. visual surveillance systems, biometric systems, card readers…)			
Fire extinguishing systems (e.g. fire sprinklers, Co2 extinguishing systems…)			
UPS-systems (e.g. accumulators, inverters…)			
Comments if it is necessary			