

Questionnaire sustainability

The GeTinVET project is a cooperation partnership of the European education program Erasmus +. It is funded by the European Commission. Education experts from six different European countries are taking part in the project.

A central aim of the project is to develop cross-trade learning modules for initial vocational training in order to optimally prepare young professionals for the future requirements of the labor market.

In the development of the learning modules, the competence to think and act sustainably in the field of Building Service Engineering should be given special importance. Here in line with the SDGs of the 2030 Agenda, the relevant ecological, economic and social dimensions are to be taken into account.

We would be very grateful if you would support us in this and answer the following questionnaire.

Part 1 – General Questions

- 1. Which areas is your company active in? (please select up to three areas, which representing your company the best)**
 - ☐ Designing and planning of buildings
 - ☐ Construction of buildings
 - ☐ Repair and maintenance
 - ☐ Installation of technical building equipment (TGA)
 - ☐ Technical building management
 - ☐ Designing / Producing technical building equipment (TGA)

- 2. Which specific area is your company focused on? (please select up to two areas, which representing your company the best)**
 - ☐ Electric installation and Building Automation
 - ☐ Heating Systems, Cooling Systems, Ventilation Systems, Plumbing
 - ☐ Bricklayer, Concrete Worker, Roof works, Facade Construction, Windows and Doors
 - ☐ Producers and Suppliers
 - ☐ Other

- 3. How many employees does your company employ?**
 - ☐ 1-9 employees
 - ☐ 10-49 employees
 - ☐ 50-249 employees
 - ☐ more than 250 employees

- 4. Where is your company located?**
 - ☐ Finland
 - ☐ Germany
 - ☐ Italy
 - ☐ Lithuania
 - ☐ Netherlands
 - ☐ Spain

Part 2 – Questions against the background of sustainability

5. How important is the sustainability in your mind?

- ☐ very important
- ☐ important
- ☐ less important
- ☐ not important

6. When you think about sustainability, which aspect comes first to your mind? (multiple answers possible)

- ☐ Energy price
- ☐ Recycling
- ☐ Type of energy source
- ☐ Type of material used
- ☐ Human resources/Staff
- ☐ Other, what?

7. How important do you think sustainability certification is for new buildings?

- ☐ very important
- ☐ important
- ☐ less important
- ☐ not important

8. How important is it to foster interdisciplinary collaboration to address sustainability challenges in the field of Building Service Engineering?

- ☐ very important
- ☐ important
- ☐ less important

☐ not important

9. Does your company actively promote sustainable solutions to clients? Yes / no

10. How important is it to promote the usage of heating systems which do not use fossil fuels in new buildings?

☐ very important

☐ important

☐ less important

☐ not important

11. Does the type of energy generation play a role for you when choosing your supplier of electrical energy (e.g. high or exclusive share of electricity from renewable energy sources)? Yes / no

12. Does your company have procedures in place to minimize journeys to customers or suppliers and thus save fuel and energy? Yes / partially / no

13. Are materials such as metals, plastic or paper fed into the recycling process in your company? Yes / partially / no

14. Are appliances and system components such as electronic devices or heaters fed into the recycling process in your projects? Yes / partially / no

15. Does the possibility of later recycling play a role in the procurement of materials, parts and system components in your projects? Yes / no

Part 3 – Questions against the background of core working processes in Building Service Engineering

Part A: Questions against the background of assembly, disassembly, maintenance and commissioning of building systems and their components.

16. Do sustainability criteria play a role for your company when purchasing materials, components and system parts? Yes / no
17. Does this also apply if this results in higher purchasing costs? Yes / no
18. Does your company have instructions for the economical and resource-conserving use of materials and raw materials? Yes / no
19. How important is the use of environmentally and health-friendly resources in your company?
- ☐ very important
 - ☐ important
 - ☐ less important
 - ☐ not important
20. Is there a law in your country about using materials and raw materials in an eco-friendly way? Yes / no
21. Apart from legal requirements (question 20) does your company have a policy for the sustainable use of materials and resources? (e.g. guidelines for saving energy, producing less waste etc.)? Yes/no
22. Does the commissioning of building systems or their components also include advice to the customer on how to operate the systems or their components in an energy-efficient and resource-saving manner? Yes / no
23. Do ecological criteria during manufacture or transport routes play a role in your company when selecting materials or system components?
- ☐ very important
 - ☐ important
 - ☐ less important
 - ☐ not important

24. Do you consider that graduates from VET programmes have sufficient knowledge and skills in the economical and resource-conserving use of materials and raw materials? Yes / no
25. If not, from your experience, what do they lack the most? (open question)

Part B: Questions against the background of monitoring (and conception) of building systems and their components through building automation

26. Do you think it is important to reduce energy consumption in building systems and its automatization even if this increases total cost?
- ☐ very important
- ☐ important
- ☐ less important
- ☐ not important
27. Do you use the data provided by building automation systems to monitor and reduce the energy consumption of buildings? Yes / no
28. When planning projects, are the materials used also selected regarding durability and wear resistance? Yes / no
29. How important is it for you to apply internal standards which go beyond the legal regulations regarding sustainable aspects?
- ☐ very important
- ☐ important
- ☐ less important
- ☐ not important
30. Does your company have a procedure for documenting the handling of hazardous substances? (Yes /no)
31. Are there instructions for your employees on the resource-saving use of energy and materials? (Yes /no)
32. Are there any training courses for your employees on the resource-saving use of energy and materials? (Yes /no)
33. Does your company have a process in place to document the continuous improvement of workplace conditions for your employees to increase workplace safety and employee satisfaction? (Yes /no)
34. How important is sustainability during the process of estimating costs and optimizing building systems?
- ☐ very important

- ☐ important
- ☐ less important
- ☐ not important

35. How important is it for you to reduce costs even if that reduces sustainability?

- ☐ very important
- ☐ important
- ☐ less important
- ☐ not important

36. When planning a building or a building system, do you consider a later recycling of the materials used, such as building materials or insulation materials, even if this leads to higher construction costs? (Yes /no)

37. When planning building systems such as heating, air conditioning or lighting systems, do you consider the costs incurred for operation over the entire period of use? (Yes /no)

38. Does your company offer long-term optimization of building operations to achieve optimal resource consumption? (Yes /no)

39. Do you consider that graduates from VET programmes have sufficient knowledge and skills in the technical solutions for monitoring and reducing the energy consumption of buildings? (Yes / no)

40. If not, from your experience, what do they lack the most? (open question)