

Modul 3: Reducing the energy consumption of a residential building with a smart home system

Additional instructions:

If you have not created the work plan for answering the customer enquiry yourself, you can use the following work steps as a guide when completing the task.

Document the results of your work in writing.

- 1.1 Using the statistical data, describe the energy consumption of a residential building.
- 1.2 Explain in which area you would first recommend measures to reduce energy consumption.
- 2.1 Get an overview of the basic function of the different heating systems.
- 2.2 Then describe the operation of the heating system installed in the customer's home and the heat distribution system in this building.
3. Describe which smart home components can be used to control or regulate the heating in the customer's residential building
4. Compile a list of the smart home components required for heating control from a provider of your choice for the customer's given residential building. For this purpose, you can use document *6-Blanc-Consultation Concept.docx* as the basis for the written documentation
5. Based on your work results from steps 1 to 4, create a written counselling concept in which the four customer questions from the scenario are answered. For this, you can use the document *6-Blanc-Consultation Concept.docx*