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

Suggestions for assessment: (more than one answer is possible)

Which measure can save the most energy in an old building?

1. Insulation of the facade
2. Reduction of the room temperature by 1 °C
3. Roof insulation
4. Installation of smart thermostats to control the temperature of radiators

Which energy-saving measure is the most cost-effective?

1. Insulation of the facade
2. Reduction of the room temperature by 1 °C
3. Roof insulation
4. Installation of smart thermostats to control the temperature of radiators

Where can the most energy be saved in a private household?

1. Lighting
2. hot water
3. heating
4. Electrical household appliances

Which smart home components may only be installed by a qualified electrician?

1. Door / window contact
2. Smart Home controller
3. Smart radiator thermostat
4. Wall thermostat with 230V switching contacts

For which heating systems can the heat output not be controlled or regulated via smart home?

1. Heat pump
2. wood-burning stove
3. District heating
4. Solar collectors

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How can a smart thermostat be operated in the event of a WLAN router failure?

1. With the app on a tablet
2. With the controls on the thermostat
3. With an app on a cell phone
4. If the WLAN router fails, the thermostat can no longer be operated.

How can a smart thermostat be operated in the event of an internet failure? Tablet and mobile phone are in the local WLAN.

1. With the app on a tablet
2. With the controls on the thermostat
3. With an app on a cell phone
4. If the WLAN router fails, the thermostat can no longer be operated.

Can smart home components from different manufacturers be combined with each other?

1. Only components from one manufacturer can be used.
2. When combining components from different manufacturers, a common communication standard such as Matter is required.
3. A combination between manufacturers with different communication standards is possible if there is a bridge to translate the communication standards.
4. Components from different manufacturers can be used together in a smart home system

Add further questions 😊

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