Smart House

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What is "The Smart House"

Smart Home - an automated concept of any household appliance that can perform a variety of daily household chores without direct household involvement. In other words, the system removes many routine tasks by taking full control of the processes.

According to the technical capacities of the smart home project can be two changes:

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Wired.

Has improved reliability, practical operation, high degree of resistance to interference. The necessary information is sent at any distance, there is an opportunity for feedback. The only drawback is the complex process of installation and integration, a lot of work.

👥

Wireless.

Works on the basis of mobile devices (Wi-Fi, Bluetooth, Apple, home), Disadvantages - the range of activities is limited, transmitters are highly vulnerable to interference, easy to hack hackers

What a smart home can do

The automation program for private cottages and apartments has extensive working characteristics. Among the key ones are:

- Flexible handling, selection of scenarios.

- Function vacuum cleaner, fridge.
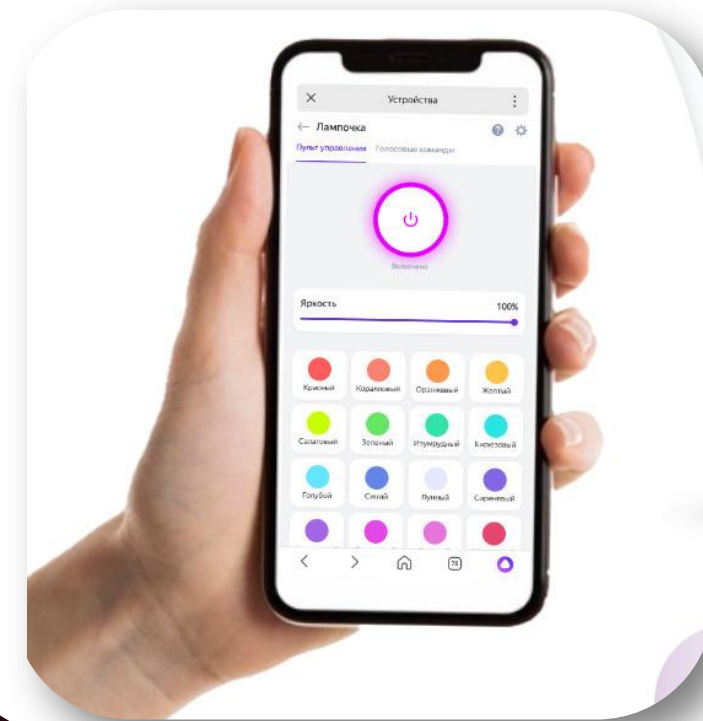
- Lighting management

- Security and safety of housing

- Maintaining an optimal room climate

- Provision of services on demand.

- Scheduled work

- Multiroom setting

Electric lighting control

✔ Hidden dimmers are used to get softer lighting, to increase the lifetime of bulbs.

✔ The control is made directly by lighting devices through traditional or electronic switches, light and presence sensors, using a smartphone.

✔ Create different lighting scenarios for every specific situation.

✔ Adjust the switch if you forget to switch off the indicator light.

✔ Automatic switching of household appliances to saving mode.

On-demand service

Most «on demand» commands are available for smart homes. After the appropriate settings, the electronic design will remember the habits, daily routine of each of the household:

Will turn off the whole house light after everyone falls asleep

Disconnects unnecessary electrical sockets by activating energy saving mode

Adjusts the heating equipment (warms the room up to morning time)

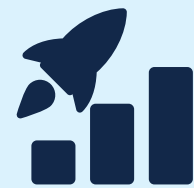Watches every window, every door around the clock

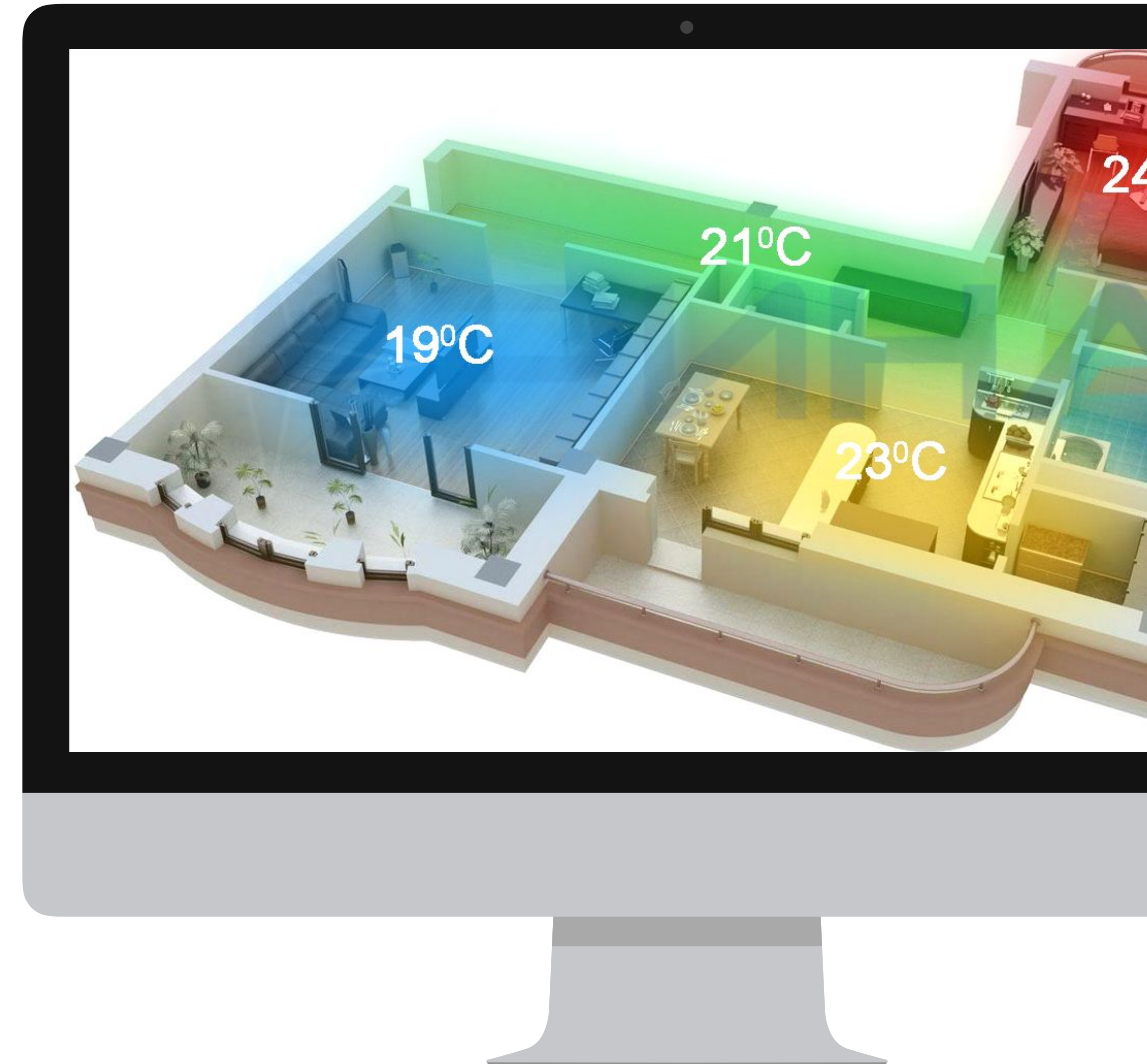# Climate control

By the programmed command, air the room

Before the morning wake-up turn on the bedroom and bathroom floor heating

As the night approaches, there will be automatic cooling of the bedroom

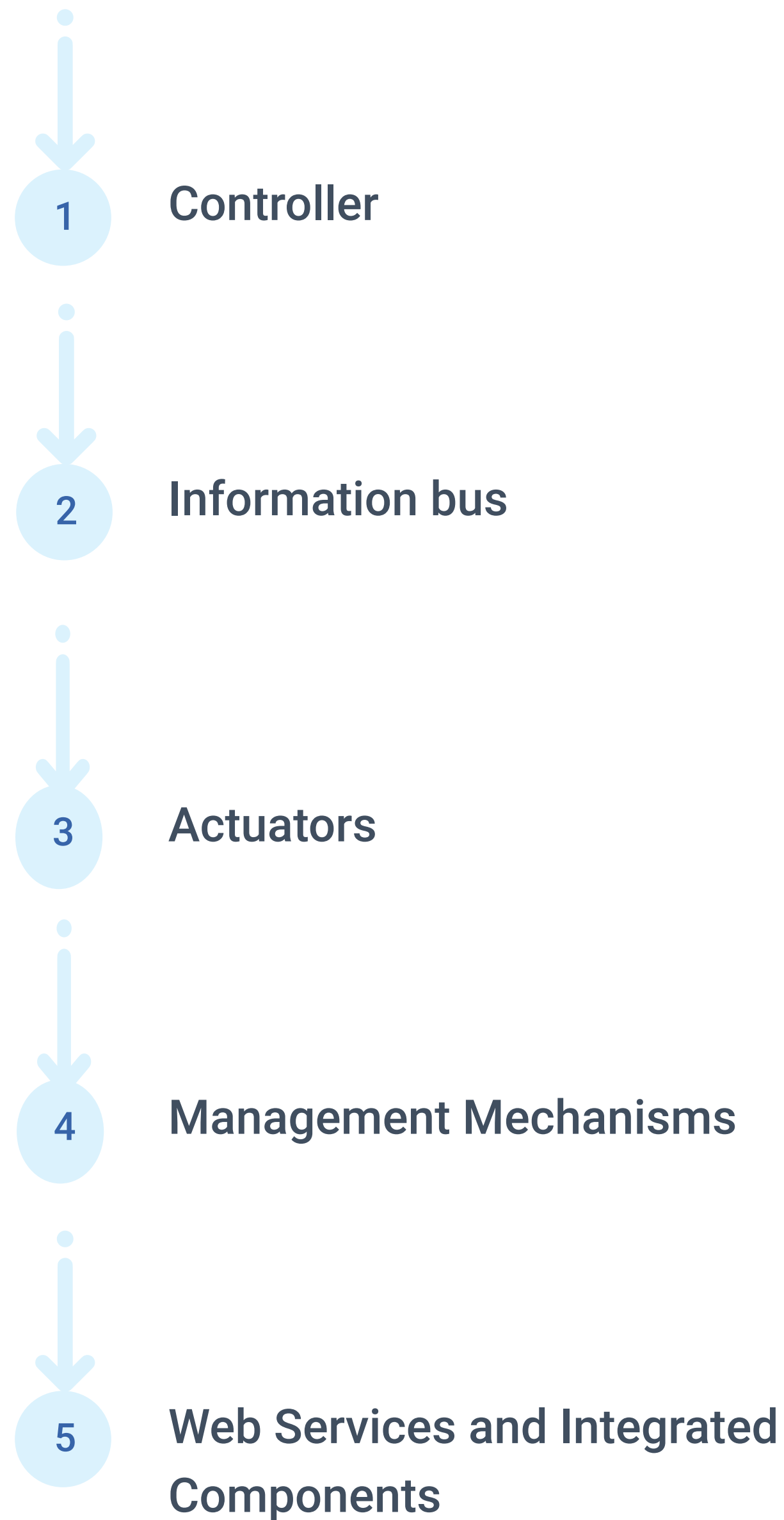**Constantly making sure that the tenants feel comfortable**

Extensibility

The operational efficiency of a reasonable home network depends on the number of functions available to the system at the time of its acquisition. However, further improvements in design through the installation of additional purchased equipment are not excluded.

This practice is quite common. With limited funding, it is more convenient to buy first-class machines, gradually increasing the mobility of the project through add-on devices, rather than reducing costs.

1. Controller

2. Information bus

3. Actuators

4. Management Mechanisms

5. Web Services and Integrated Components

Smart home device features

o Intelligent home automation consists of several leading nodes of the ecosystem.

o Each of them is responsible for the implementation of a specific task, and together ensure the accurate operation of the entire system.

✔ The main control apparatus in the smart project is a touch panel, which accumulates control of subsystems from a single mechanism.

✔ There are several variations:

Stationary

Portable (mobile)

Built into the wall.

Thank you
for your
attention!