



**Introducing Facial Recognition, Deviceless Person Tracking and
Artificial Intelligence in Building Automation**

An intelligent building automation system with sophisticated situation awareness and decision-making capabilities

Why Adaptive Home Automation?

- Our intelligent building automation reduces manpower and eases the work of the remaining staff. In the end valuable resources and therefore money will be saved.
- Adaptive Home Automation takes care of your guests' comfort. We want them to return as often as possible.
- Adaptive Home Automation manages the access to your facility and the services within. And keeps unwanted intruders outside. Automatically.
- Cameras for facial recognition purposes will be used only at the entrances of your facility. Within the building we track your guests with much less obtrusive infrared technology.

Pain Points You Probably Know...

- Burglary / Theft
- Unwanted intruders
- Expensive / Ineffective Security
- Property damage / Vandalism
- Lost Keys / Keycards
- Energy dissipation

These points alone justify the investment in Adaptive Home Automation's unique Access Rights Management.

The following pages will illustrate what else you can expect.

A grayscale photograph of a modern interior space, possibly a lounge or office. In the foreground on the right, there is a large, ornate globe on a stand. The background shows a room with contemporary furniture, including a patterned armchair, a low coffee table, and a white armchair. The ceiling has a wavy, illuminated design. The word "Technology" is overlaid in the center in a large, bold, black font.

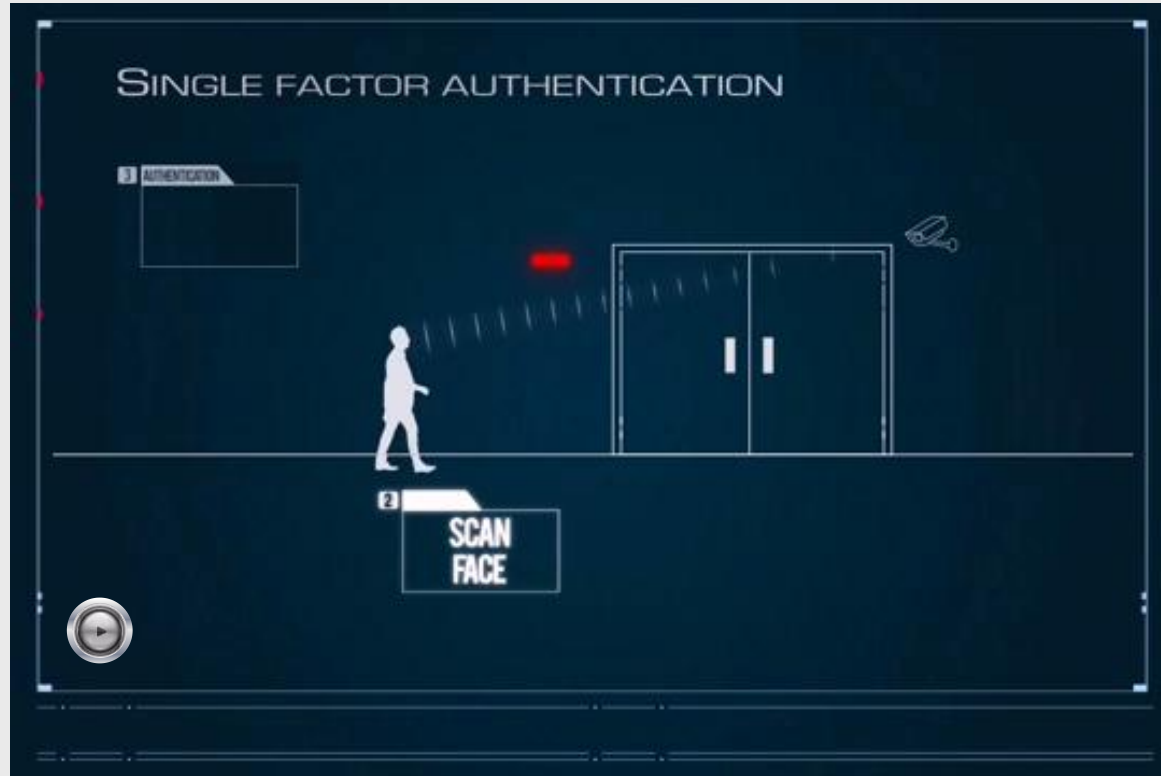
Technology

- Adaptive Home Automation is an embedded software solution combined with infrared sensors working as a stand-alone solution or as an addition to your already existing smart building solution
- In case you don't have an existing smart building solution so far, we can provide all required technologies at an affordable price

Our Hotel Edition includes smart control of

- Access to doors, rooms, elevators, devices...
- Lighting
- Curtains
- HVAC
- Room scenarios
- Multimedia
- Whatever your unique feature might be...

- Facial recognition
- Infrared person tracking
- Artificial intelligence



A grayscale photograph of a modern interior space, likely a bedroom and bathroom. On the left, a bed with white linens and a dark headboard is visible. In the center, a glass-enclosed shower area is shown. To the right, a bathtub is partially visible. The room features large windows and contemporary decor, including a small table with a lamp in the foreground.

Room Scenarios

Entering the Room

- When the guests get close to their room door, it will be unlocked automatically – no key, no keycard, no smartphone will be needed anymore. For this purpose* we track their position within your facility in realtime...
- Additional access can be granted to service staff, e.g. cleaning, maintenance...

*And only for this purpose! We cared for user privacy even before GDPR became „popular“

Requirements:



Adaptive Home
Automation



Accessible
Door Locks



Welcome Mode

- When a room recognizes its users by their individual heat signature your guests are welcomed with an individual scenario, depending on their preferences. And the time of day of course...

Requirements:



Adaptive Home
Automation



Accessible
Lighting



Accessible
Curtains



Accessible
Multimedia



Bedtime Scenario – Sleeping Mode

- Turn off all/some/no lights
- Close the curtains or keep them open
- Let the room display a DND symbol or not
- Alarm clock on or off
- Your individual distinctive feature? We are adaptive...

All fully customizable to the individual preferences of your guests and invoked just with a single voice command, a gesture, or via app.

Requirements:



Adaptive Home
Automation



Accessible
Lighting



Accessible
Curtains



Accessible
Multimedia



Bedtime Scenario – Wake up at Night

- Turn on all/some/no lights when movement of the guest is detected. Remember, we track their position for their comfort only...

Of course fully customizable to the individual preferences of your guests and executed automatically.

Requirements:



Adaptive Home
Automation



Accessible
Lighting



Wakeup Scenario

- Turn on all/some/no lights
- Open the curtains or keep them close
- Let the room display a DND symbol or not
- Turn on devices – Radio, TV, coffee maker, whatsoever
- Your individual distinctive feature? We are adaptive...

Depending on the preferences of your guests and the time of day. Invoked just with a single voice command, a gesture, or via app.

Requirements:



Adaptive Home
Automation



Accessible
Lighting



Accessible
Curtains



Accessible
Multimedia



Daytime Lighting Scenarios(s)

- Turn on all/some/no lights
- Open the curtains or keep them close
- Let the room display a DND symbol or not
- Turn on devices – Radio, TV, coffee maker...
- Your individual distinctive feature? We are adaptive...

An unlimited number of daytime scenarios can be created according to the guests preferences during the day. All scenarios can be either invoked by voice commands/gestures/app or executed automatically by paying attention to environmental data (time of day, brightness outside, cloudyness,...).



Heating/Air Condition

- Turns on automatically when the guests enter their rooms
- Turns off automatically when the rooms are left
- Reduces your energy bill drastically

Heating and air condition adapt automatically to the comfort level and the activity rate of your guests while paying attention to environmental data as well.

Requirements:



Adaptive Home
Automation



Accessible
Thermostat



Accessible Air
Condition



Security

- Instead of having your facility monitored by security staff leave this task 24/7 to your situation-aware building automation with decision-making capabilities
- Increases security and reduces staff costs

Requirements:



Adaptive Home
Automation





Services

- Frequently returning guests are already recognized when they enter the Hotel. This way the check-in process can be done right on their way to the reception. You only have to welcome them...
- No keys or keycards are needed anymore as access to all accessible rooms and booked services is granted automatically.
- In case you charge an extra fee for certain services (Spa, Pool, Gym, etc.) our software provides the required data about date, time and duration of their utilization
- Personalized guidance of your guests through your facility at any time of the day
- Information about identity, preferences, room number, etc. of your guests is at any time available for you.

Hotel Services

- There is a difference between welcoming your guests cordially by name and asking them just for their room number instead.

We help you to make that difference...

Requirements:



Adaptive Home
Automation





Benefits

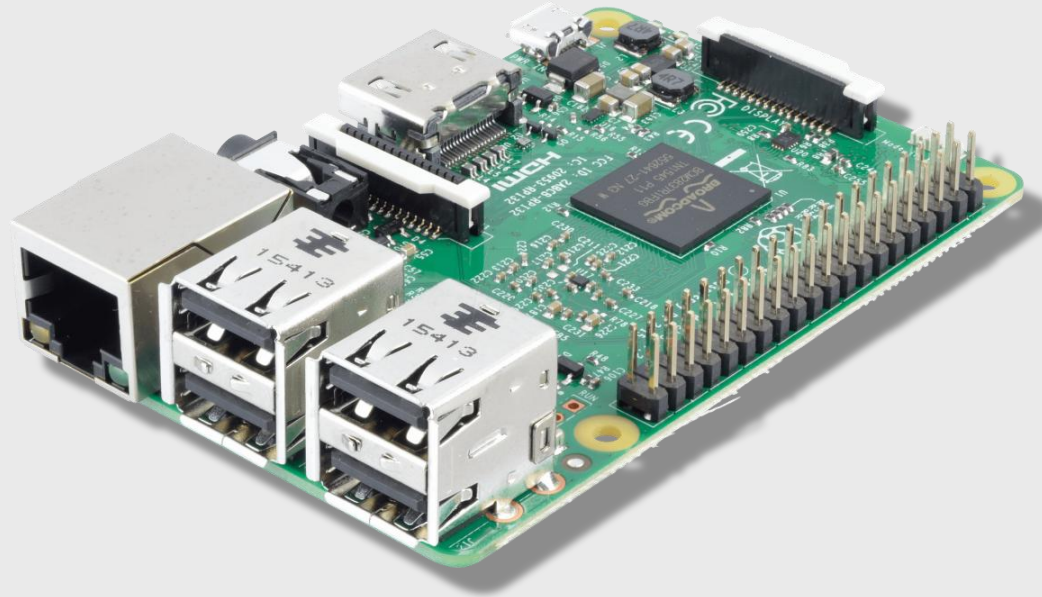
- Industry-standard security and in compliance with any given GDPR
- Adapts to all sizes of projects, from smallest city hotel to largest holiday resort
- Compatible with almost every building/home automation technology on the market
- Easy to install and maintain, no complex wiring and controllers required
- Substitutes not only your old security system but also most of the security staff
- Helps your guests to keep you in mind - in the end it is all about their experience and satisfaction



Products

Micro Controller Board

- Adaptive Home Automation is embedded software enabled to run on every micro controller board



Infrared Sensors

- Each sensor covers an area of up to 25m², depending on room layout and ceiling height



(Optional) Sensors

- Adaptive Home Automation is compatible with most already installed or planned sensors and building/home automation devices



Thanks for Your Interest