

**e-shelter  
security**



# — Holistic Workplace Solution

Smart technologies for the return to work

# — Smart Solutions

Today, pandemics affect our everyday life and working environment to an unprecedented extent. With a holistic, state-of-the-art solution, we are creating enhanced conditions for a more secure, safer and faster return to work:

- The access of people infected with COVID-19 is prevented as much as possible.
- The minimum distance of 2 meters is ensured in everyday office life.
- Chains of infection can be quickly identified via proximity tracing.
- Cleaning and disinfection are carried out at the right places based on usage.

Our experience in implementing Smart Building IoT projects helps us find the right return to work solution for your organization very quickly. We provide all services

from planning to installation to system configuration – all from one source. At the beginning of the project, we are committed to architecting core functionality with the greatest possible impact. As we continue to help you implement your Smart Building solutions, the Thing-it platform will be the foundation for a comprehensive building digitalization plan. This is an optimal manner in which to utilize smart technology for a return to work initiative that is also a sustainable investment for your digital future.



# — Solution modules

Our holistic **return-to-work solution** is modular in design. The solution modules are based on cutting-edge technology that we implement for you with the highest reliability and the integration of these technologies turns our solution smart. Specific features such as workplace booking or proximity tracing also help to guide cleaning and disinfection responsibilities within the workspace.

## — Fast implementation

Modular structure allows solutions to be configured and implemented quickly.

## — More efficiency

Digitalization initiatives help automate processes and simplify return to work management.

## — All functions in one app

Our integrated solution is connected through a central app.

## — Future-proof investment

Our platform is the foundation for comprehensive, digitalized building solutions.

# — Advanced features



## Visitor access

— 1

Fever measurement as part of access control for employees and visitors

— 2

Fully automated entrance control with ID verification in less than 30 seconds

— 3

Digital and automated people counting to direct the flow of customers and visitors



## Distancing and indoor navigation

— 4

Booking and live occupancy display on workstations and meeting rooms – digital implementation of the 2-meter office

— 5

Digital distance warnings and information on COVID-19 prevention via app

— 6

Detection of highly trafficked areas and bypassing via indoor navigation



## Proximity tracing and cleaning

— 7

Proximity tracing and notification process

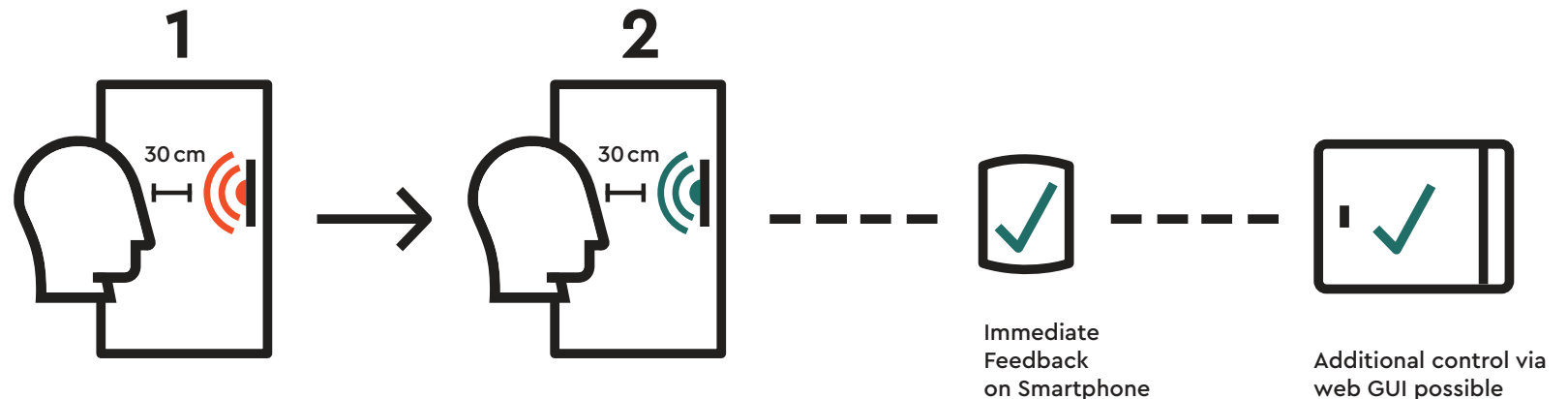
— 8

Smart cleaning managed by area occupancy monitoring and/or proximity tracing

# — 1

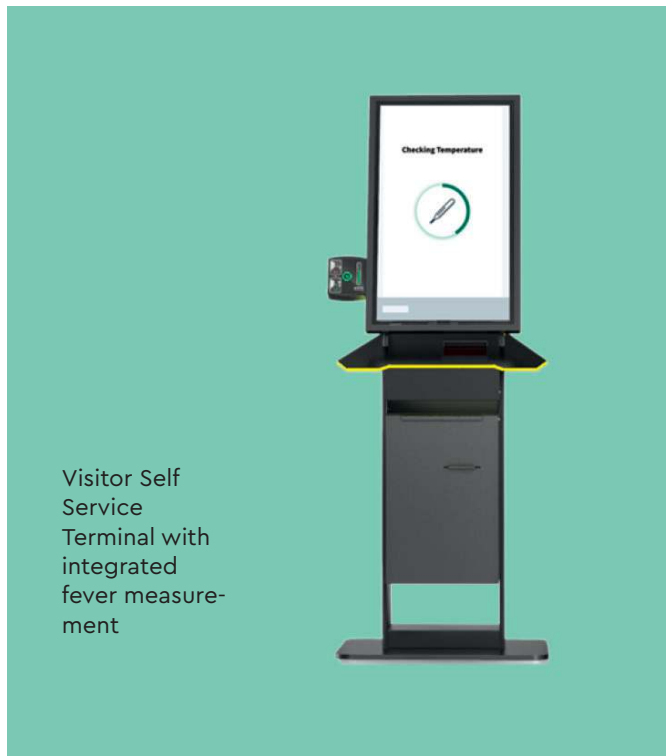
## Temperature Monitoring for Employees and Visitors

A **thermal scanner** enables a contactless and automated measurement of body temperature, where potential carriers of COVID-19 can be identified within seconds. The temperature screening can be carried out as an independent, self-monitoring process or it can be linked to the access control system. Employees and visitors are also asked about possible COVID 19 interactions or hotspot visits on their phones as a further screening. This solution delivers quick, reliable and controlled building access in compliance with DSGVO with as limited human contact as possible.



# — 2

## Automated, ID supported access control in less than 30 seconds



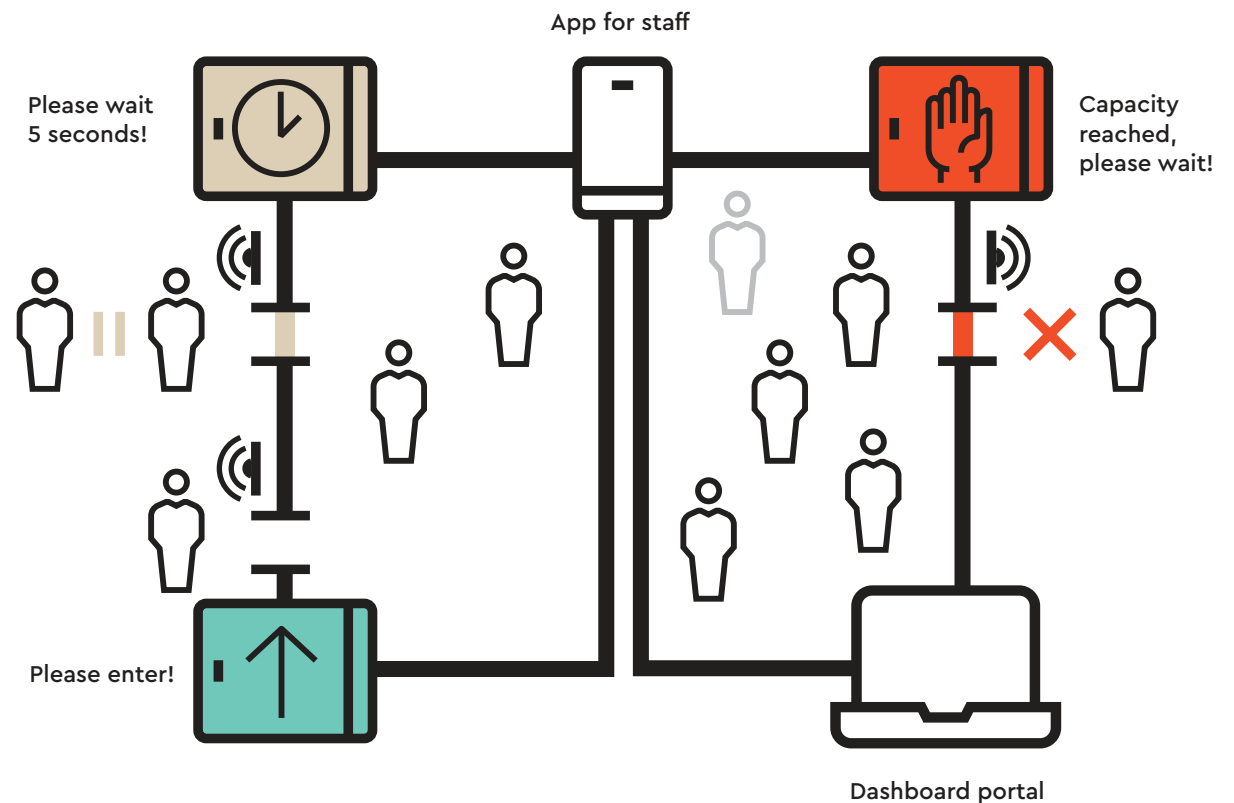
Our **digital visitor management system** reduces direct interaction for reception staff, employees and visitors. The solution is not only fully automated, fast and contactless, but also, uniquely secure thanks to ID-supported verification (e.g. passport or ID card). With this fully-automated, self-service terminal, visitors can check-in at a rate of 120 people per hour in an efficient and comfortable manner, which includes the temperature screening and ID verification process. Also, this system is DSGVO compliant.



# — 3

## Automated people counting for traffic and crowd control

A people counting system based on **highly dynamic camera technology** can be implemented in such a way as to determine and manage highly trafficked areas. This information can be displayed on screens, viewed on dashboards and used to direct the flow of customers and visitors. If a capacity limit is exceeded, the staff receives a push message via the app and doors can be programmed to close when integrated with the building technology.



# — 4

## Booking of workplaces with live occupancy display – digital implementation of the 2-meter office

Due to the required minimum distancing of two meters that must be maintained, workstation availability during COVID-19 is significantly reduced. But with the **Thing-it digitalized solution**, the 2-meter office can be easily set-up, organized and managed. Bookable workstations and live occupancy displays are made available and these workstations and meeting rooms can be booked quickly through the Thing-it app. Discretely installed sensor technology also ensures that booked but unoccupied workstations or meeting rooms are released and made available again in the system.





# — 5

## Distance warning and health information via app

Inside the building, the **Thing-it app** controls the distance between smartphone users via Bluetooth. Smartphones send a push notification and vibrate when too close. With the Thing-it app, you can also give your team quick and easy access to the current hygiene plans, COVID-19 updates and contact information. You can also use the message function to communicate with all employees on initial return-to-work experiences.



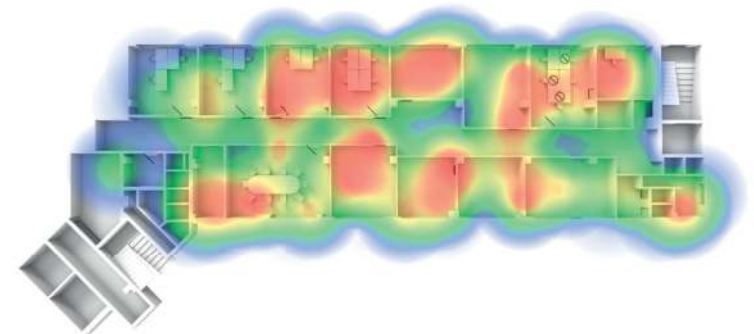
# — 6

## Bypass highly trafficked areas using indoor navigation



Based on **passive infrared (PIR) sensor technology**, the Thing-it solution can display congested work areas through heat maps. This makes it easy to identify crowds of people in the building and help to maintain sufficient distancing and manage cleaning responsibilities for these occupied areas. In addition, if a Bluetooth beacon infrastructure is available, it can be retrofitted easily like the PIR sensors. The Thing-it app navigates users around these high traffic work areas.

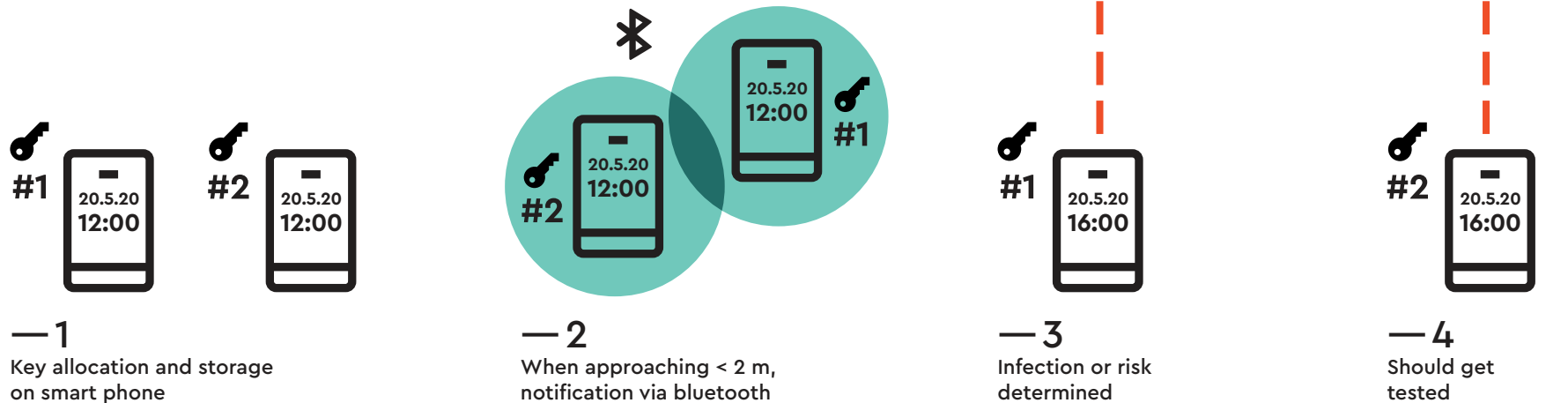
Heatmaps and Indoor-Navigation to bypass high-traffic areas



# — 7

## Proximity tracing

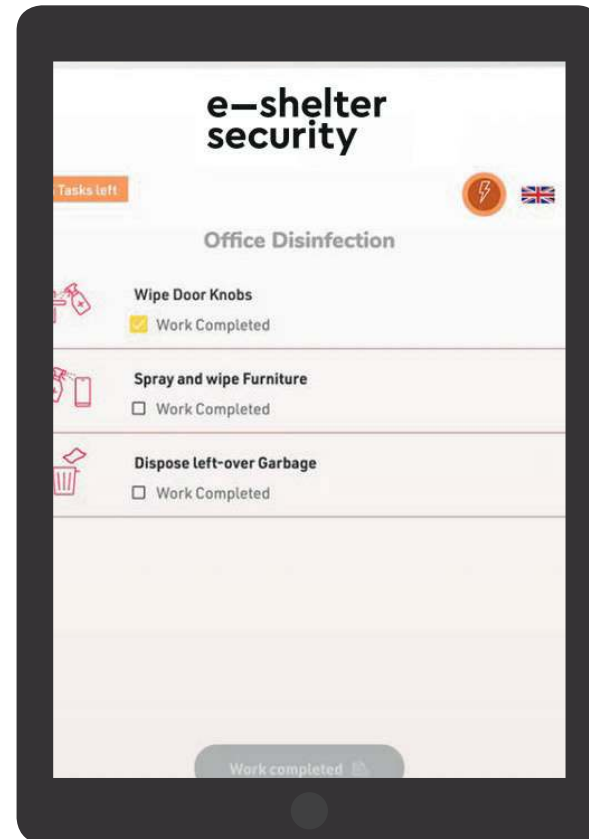
The Thing-it app enables **anonymous proximity tracing** via Bluetooth where each smartphone with the Thing-it app receives a random identification number. If contact between people is made for more than 15 minutes at a distance of less than 2m, the smartphones will remember the pseudonymized ID of the individuals for a period of three weeks. No data is stored centrally, but on the smartphone. If someone is later determined to have COVID-19, the group of people who came into previous contact with the individual, who remains anonymous, are notified immediately. In this way, your company can ensure rapid identification of infection chains and protect your team against the further spread of the virus.



# — 8

## Smart Cleaning

All **cleaning, maintenance and disinfection tasks** can be managed through the Thing-it app. For example, cleaning staff can receive notifications about previously occupied areas that are now vacant. If proximity tracing is combined with indoor positioning, the app can also alert cleaning personnel to areas occupied by a person infected with COVID-19 and generate the appropriate disinfection response.



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