MMS EXPERIENCE BEYOND DIGITAL

T-Systems MMS – Smart Spaces

Smart Office & Places

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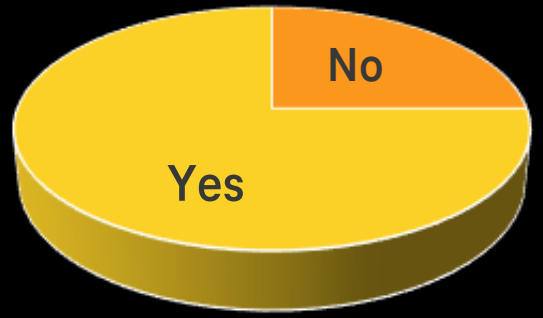
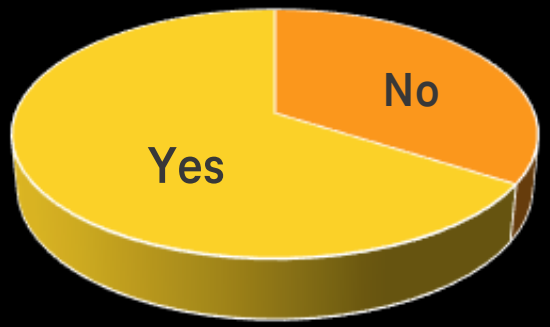
Can you imagine working in a home office?



Do you expect the employer to provide a technical solution?



Source: https://de.statista.com/infografik/21121/umfrage-zum-arbeiten-im-home-office-wegen-des-coronavirus/

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Does this situation sound familiar?

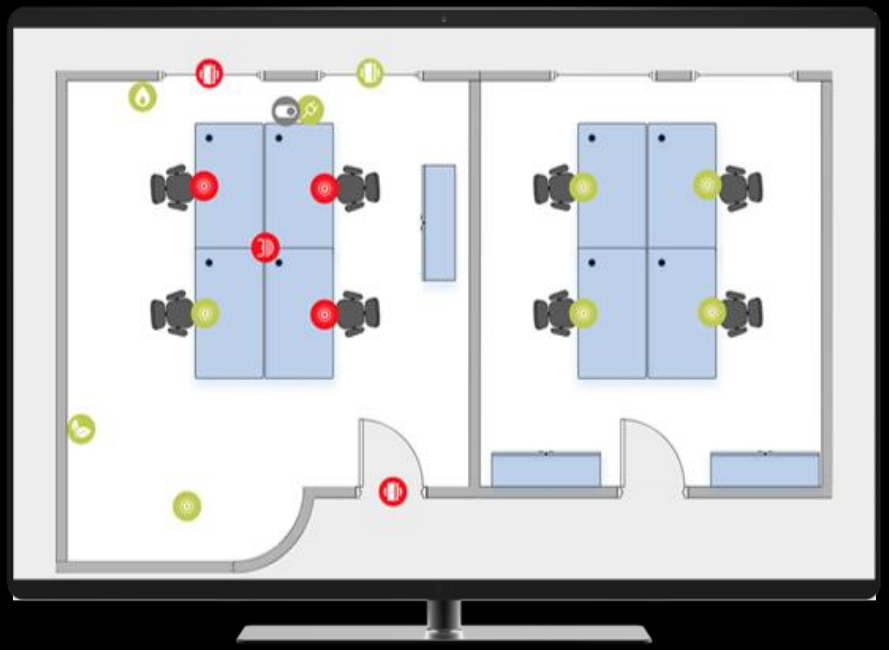
Your employees want to be able to decide flexibly whether they work in the office or from home?

Do you waste a lot of time looking for free meeting rooms or think tanks where you can retreat?

Is it worth to come to the office or are all available desks already taken?

Can corona-related access restrictions be easily met?

... we can help you deal confidently with these changing requirements offering you our Smart Office & Places solution.



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Available workplaces and spaces at a glance at all times

A digital twin of the work environment in the Microsoft Azure Cloud enables the physical world to be integrated into digital services.

- Retrofit sensors can be used to record the occupancy status in the background in order to identify unused bookings and to use space more efficiently
- A simple frontend for searching and booking seats is available for mobile presentation, which can be integrated into existing employee apps or combined with a bot solution.
- Employees can use a dashboard to search for free workstations or meeting rooms, as well as view current environmental conditions in the rooms (temperature, CO_2 content, ...).

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Collected data as a basis for optimal space utilization

Reliable figures instead of perceived truths:

- The data collected by the sensors is available for historical evaluations. This makes it possible to check whether existing areas are being used as intended and are actually needed.
- Heatmaps make it possible to identify, optimise or sublet unused space and thus reduce costs.
- Meeting room bookings are compared in real time with their actual usage, so unused bookings can be eliminated in order to utilise available space more efficiently.
- Optimization of cleaning frequencies based on actual area utilization for demand-controlled cleaning and refilling of hygiene devices for disease prevention.

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Battery and wireless sensor technology for your office environments

- Detection of single seat usage via **Enocean Multi Sensor**
- Transmission of Enocean signals from the physical world of work via a retrofit gateway into the digital world of the Smart Spaces Cloud

- Counting the usage cycles of washrooms for demand-controlled cleaning or refilling of hygiene articles via **Enocean magnetic contact sensor**
- Determination of inventory usage cycles in work and office areas via **Enocean Multisensor**

- Detection of meeting room usage via **Enocean passive infrared sensors**
- Determination of the workplaces environmental conditions (temperature, CO2) for the provision of a health-friendly working environments

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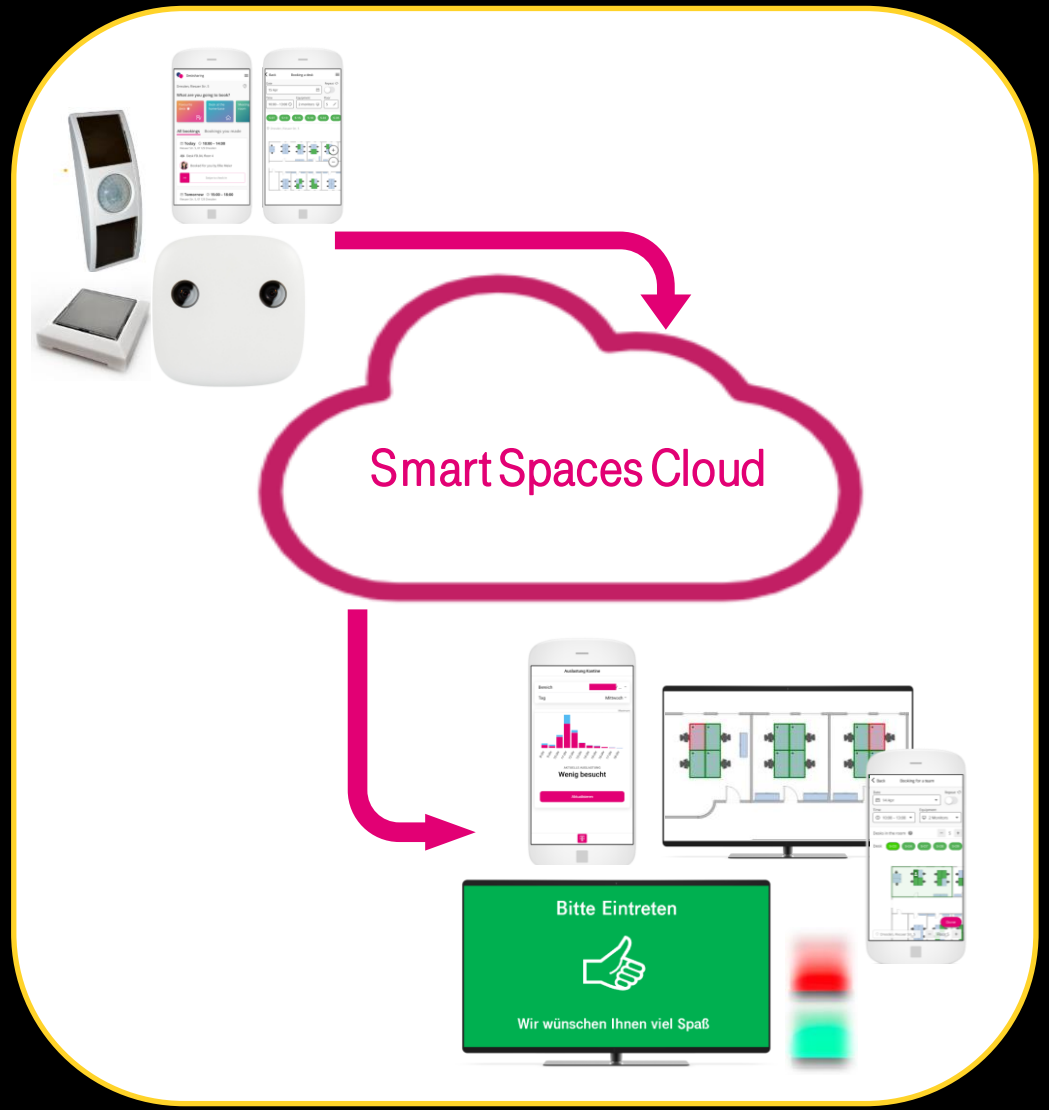

Smart Space Booking

Flexibly expandable through Smart Spaces Framework

With your instance of the Smart Spaces Cloud, numerous spaces and locations can be connected and made evaluable.
Collected data can be flexibly distributed to different channels (e.g. existing enterprise applications) via an open REST API.

Further use cases can be easily implemented with pre-integrated sensor technology, such as counting people, implementing access restrictions, determining distributions within rooms and much more.

Learn more on our website!

Smart Office & Places – Initial offer

Sensors

- Equipping of 3 offices with 12 Enocean multi-sensors for single user recognition
- Equipping of 1 meeting room with 1 Enocean PIR sensor for activity detection

Gateway

- 1 LTE Gateway (single coverage approx. 20 m radius)
- Repeaters, if necessary, to increase the range of the gateways

Included visualizations

- Mobile web application displaying free and occupied spaces – mobile view can be accessed directly via the browser or be integrated into existing employee apps
- Standard web dashboard for the visualizing the space usage including live status
- Self-service analytics dashboard on historical space utilization, area and asset usage frequencies, or environmental conditions

Runtime

- Pilot: 3 months
- For productive use and rollout of the solution to further areas in the company with monthly runtime incl. updates and remote support: 1200€ per month

Optional offers (exclusive)

- Remote support for the initial period
- Installation and initial configuration of the sensors
- Introductory workshop for your technicians incl. Installation and configuration instructions
- Adaptation of the representations to your company CI/CD
- Adaptation of the sensor package to your individual situation

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THANK YOU

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Interesting Links:

- Smart Spaces Artikel in IT Business
- Whitepaper New Work
- Webinar „Smart Buildings – Effizienz durch Vernetzung“

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