

COLLECT • COMMUNICATE • CONTROL

SECURE IOT SOLUTIONS

IoT Solutions for the **Workplace**



CONFIDENTIAL INFORMATION – NOT TO BE DISTRIBUTED

Smart buildings make better use of space.

40%+ average under-utilisation of space.



Get the most out of available floor space, eg:

Total100 headsAvg. occupancy60Peak occupancy75Savings potential25 desks

USAGE PATTERNS

By understanding the flow of people, companies can optimize the work environment, creating a smooth and efficient work place.

EFFECTIVE UTILISATION

Find out how much meeting rooms are actually being used in contrast to when they are booked.

AIM AND ADJUST

By continuously collecting data, optimal reorganization goals are reached much faster and in a more efficient way. Converting a building into being smart on energy...

Annual savings ~£15/m²

in smart buildings from application of occupancy sensing in building management software.

Energy savings

potential

HEATING & COOLING

Heating/cooling of unused office space can be avoided.



VENTILATION

Air quality matters to worker productivity and well-being.



LIGHTING

No reason to light up vacated workspaces.



THE SOLUTION

ENABLE PEOPLE

- Understand room usage and optimize
- ✓ Make free resources easily available
- ✓ Issue cleaning and work orders based on need
- ✓ Improve indoor air quality and worker well-being

SAVE ON ENERGY

 Reduce energy bill by control of lightning and HVAC equipment in real-time
Become more sustainable by reducing CO2 emissions

INFORMATION COMPLIANCE

 Ensure offices are left without leaving behind access to proprietary information.

THE SENSOR Capture

FEATURES

- ✓ Vision-based IoT sensor
- ✓ People and object detection
- ✓ Wall-mounted, discreet design, small size
- ✓ Sensor data transmitted via WiFi
- Edge processing architecture
- ✓ Artificial intelligence algorithm for image processing





Solutions for commercial spaces



CONFERENCE ROOMS



DOOR PASSAGES



BREAKOUT SPACES



OPEN OFFICE



MEETING ROOMS



FUNCTIONAL AREAS



RETAIL ENVIRONMENTS



OTHER



Smarter Data Insight

OCCUPANCY DATA ANALYSIS

- Office workdesk utilisation
- Utilisation of meeting rooms
- Utilisation of communal spaces
- Presence in % of time during working hours
- Utilisation in % of space during working hours



Customer value Insights and actions





✓ Weekly reports

SPACE OCCUPANCY ANALYSIS

What about Security and Privacy? We adhere to GDRP regulation in order to protect every citizen's privacy

Information Security

IMAGES

Images are processed locally by each sensor, and are never being stored or transmitted.

META-DATA

Meta-data like image vectors are proprietary to UbiqiSense.

COMMS

Secure wireless communication between sensors and gateway.

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sensor Features

MOTION

Intelligent motion sensing Exclude irrelevant motion behind doors and windows

COUNT

People and object counting

TRACE

Footfall analysis of traffic flows

SPACE

Location and direction coordinates Location and speed heatmaps Multisensor accurate positioning

COMPLY

Notify when doors or windows are open while room is empty Notify when whiteboards are not cleaned after meeting

• POSTURE

Posture of each object: Walking, standing, sitting or lying down

LUX

Measure of light intensity

CONFIG

System provisioning Room calibration Device installation and management User management

PRODUCTS Product pictures

