



# WHERE BUILDINGS BECOME SMART

Gain actionable insights that make a difference



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# how it works?

connect

1

with datasources...

sensors



BMS



weather



FMIS



OCTO  
platform

2

store, analyse, show and...



share

results

3

create value through...

improved user experience

operational efficiency

compliance reports

strategic insights

future proof



## DATASOURCES...



### DISRUPTIVE TECH.

Open / close sensor for windows, chairs....

*SDS*



### DISRUPTIVE TECH.

Temperature sensor

*SDS*



### DISRUPTIVE TECH.

Touch sensor

*SDS*



### ELSYS.SE

Infrared, temperature, humidity, light, sound and CO2 - *LoRa*



### OCTO

Measures tap usage

*LoRa*



### GLOBALSAT

Dust meter PM2.5

*LoRa*



### TURBO

Cars parked

*LoRa*



### VENSTER

Elevator rides

*4G*



### NPQ & AXERION

FMIS Systems

*Rest / JSON*



### BR-CONTROLS

Occupancy, temperature, humidity, VOC, light and CO2 - *BMS*



### POINTGRAB

Camera counts the amount of people

*WiFi - POE*



### MISSING ONE

Let us now and we'll add it to our portfolio...

## our clients about us

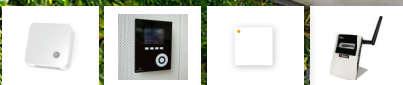
***“The best innovations **solve real problems**. Octo’s ability to **turn data into practical solutions** for day-to-day problems makes them truly unique.”***

Herman Knevel - Head of innovation at ISS

***“**Hardware independancy** is essential to be future proof. Octo helps us to **integrate with multiple sensors** without the risk of being locked-in.”***

Willem van der Ven - Sr Manager Development at Schiphol Real Estate





## ENABLE PRODUCTIVITY

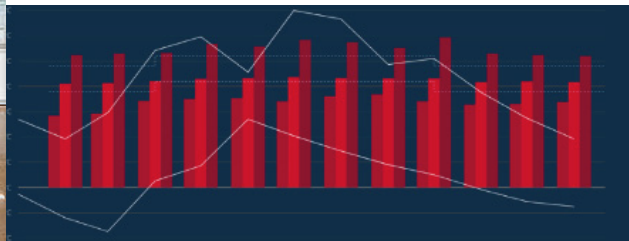
### Healthy Buildings

Too hot, too cold, draft, noisy, burning eyes, headache, irritated skin or drowsiness. All complaints caused by a bad indoor climate. Your employees spend about 90% of the time in buildings and therefore the quality of our indoor climate is crucial for our health and productivity in the short and long term.



## DISRUPTIVE TECHNOLOGY

Temperature sensor







CAIRN  
REAL ESTATE

HEALTHY  WORKERS



## USE WHAT YOU'VE GOT

### The integrated platform

Elevators, building management systems and FMIS systems all generate vast amounts of data and form a free source of sensors! Amazing services like Healthy Workers enable office workers to perform more healthy and productively. Our API is able to share all the data they need.



### BR-CONTROLS

Occupancy, temperature, humidity, VOC, light and CO2

|      |      |      |       |     |     |      |      |      |     |     |
|------|------|------|-------|-----|-----|------|------|------|-----|-----|
| 19,7 | 18,4 | 21,3 | 100,0 | 0,0 | 0,0 | 8,4  | 90,7 | 0,9  | 0,0 | 0,0 |
| 21,3 | 18,2 | 25,6 | 98,2  | 0,0 | 0,0 | 1,2  | 34,3 | 62,6 | 1,4 | 0,4 |
| 21,0 | 18,3 | 24,4 | 99,8  | 0,0 | 0,0 | 1,0  | 52,8 | 46,0 | 0,2 | 0,0 |
| 21,3 | 18,0 | 26,0 | 96,7  | 0,0 | 0,1 | 3,1  | 35,2 | 58,3 | 3,0 | 0,2 |
| 21,0 | 17,6 | 25,8 | 96,5  | 0,0 | 1,0 | 9,1  | 37,9 | 49,6 | 2,0 | 0,4 |
| 20,7 | 17,5 | 25,8 | 98,6  | 0,0 | 0,4 | 2,6  | 63,0 | 33,1 | 1,0 | 0,1 |
| 21,0 | 17,8 | 24,9 | 97,8  | 0,0 | 0,1 | 3,9  | 46,9 | 46,9 | 2,1 | 0,0 |
| 20,1 | 16,1 | 23,7 | 95,0  | 0,4 | 4,6 | 10,9 | 71,9 | 12,2 | 0,0 | 0,0 |
| 20,1 | 17,0 | 24,5 | 95,4  | 0,1 | 4,3 | 12,1 | 64,1 | 19,3 | 0,2 | 0,0 |





## HACCP CHECKUPS

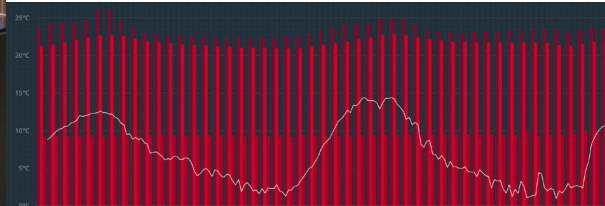
### Food safety

For a safe food production process, all food businesses must have a food safety system based on the HACCP legislation. With sensors we can monitor the temperature of your fridges and food that's out on display. Keeping your customers safe, and eliminating unnecessary paperwork.



## DISRUPTIVE TECHNOLOGY

Temperature sensor







## MEETING ROOMS

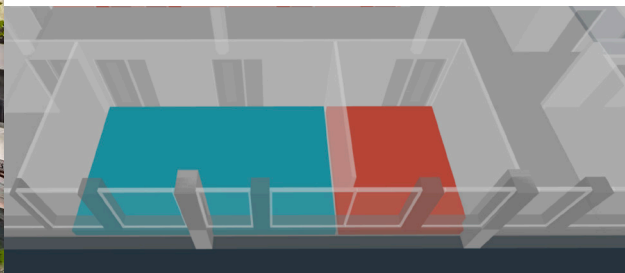
### No. More. No. Shows

When all the meeting rooms are reserved but unused, this leads to a lot of unnecessary hassle and unprofessionalism. Installing sensors will mean that, through Octo's integrated platform, you are able to monitor the no-show behaviour of employees. As a bonus, you can see how the room is being best utilised.



## DISRUPTIVE TECHNOLOGY

Open / Close sensor





hello energy...



## MEASURE USAGE

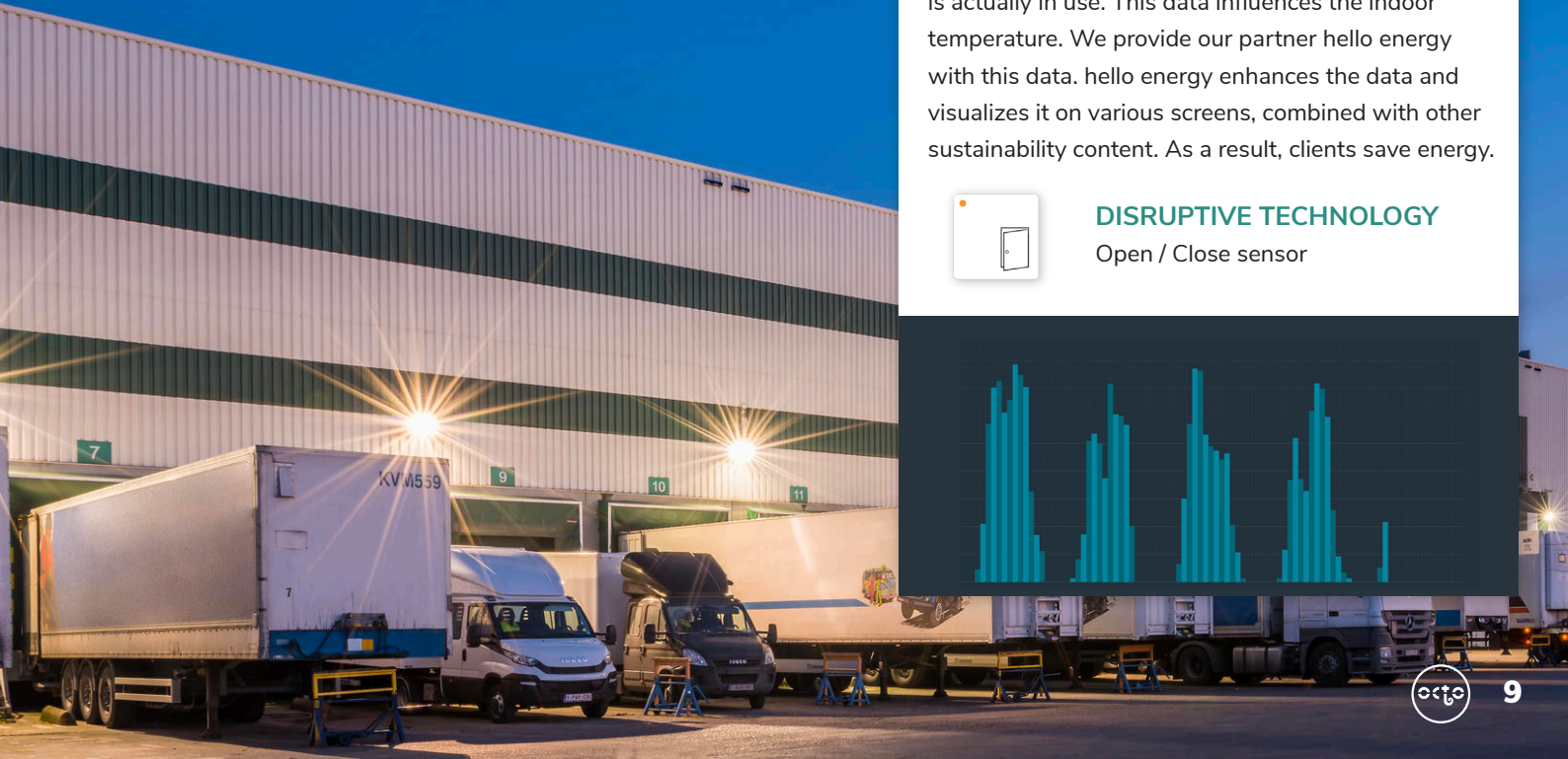
### Efficient Dock Utilisation

A building loses a lot of heat when loadings docks are open. To minimize loss, it is vital to monitor the open/close rates and whether or not a loading dock is actually in use. This data influences the indoor temperature. We provide our partner hello energy with this data. hello energy enhances the data and visualizes it on various screens, combined with other sustainability content. As a result, clients save energy.



## DISRUPTIVE TECHNOLOGY

Open / Close sensor





# KOERS



## EXTERIOR INSIGHTS

### Digital inspections

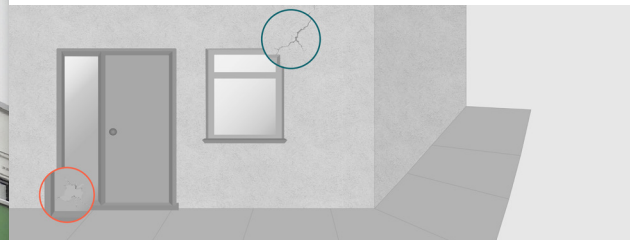
Buildings are beautiful, but they can be hard to maintain. In the past, once every three years, an inspector went through approximately 10% of the real estate to conduct an inspection. Octo makes it possible to inspect 95% of the estate every quarter by using sensors, drones, and artificial intelligence.



## INTEL

High res. camera

Drone operator - Aeroscan



## Integrations...

**DISRUPTIVE**  
TECHNOLOGIES

**ULTIMO**



hello energy... ..

**Axxerion**

**sbc**  
SAIA BURGESS CONTROLS



**npq**  
Enjoy building service solutions

**BRCONTROLS**  
BE SMART. BRCONTROLS.

**FIM·BLE**  
FACILITY INFORMATION MANAGEMENT

 **Outlook**

**HEALTHY**  **WORKERS**



## OCTO

Launched in 2014, Octo is the application that brings the right sensor together with all the right algorithms to make smart buildings a reality. We believe amazing products are created in an open, insightful and fast-moving environment. That's why Octo is made up out of collaborative people who love to discuss and brainstorm with team-members that have a different perspective!

supported by





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