

Success story

# » **Presence detection**

Workspace occupancy  
management »



# » ELA Innovation & Z#BRE optimise

the workspace management on 2 sites of 1001 Vies Habitat

The development and democratization of teleworking are pushing workspaces to be restructured. It is in this regard that 1001 Vies Habitat entrusted Z#bre and ELA Innovation to deploy a real time IoT solution providing resource sharing (workstations, meeting rooms, etc.) and generating in-depth analysis of the frequency and use of meeting rooms and individual offices/desks of 2 of their sites. The first one (a 2800 sq m site hosting 300 employees) and the second one (a 600 sq m site, hosting 100 employee) were equipped with 351 Bluetooth Low Energy sensors allowing anonymous usage data. This flex office solution allows building users to know in real time if an office, a meeting room, a desk or locker, is free or reserved.

## » The key players



Manufacturer of IoT sensors



IoT services platform



End-user

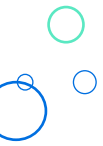


« ELA Innovation products allow us to capture information as close as possible to the users. The radio technology is perfectly mastered by the teams, which guarantees a very good range. The integration was very simple. The support teams were always there to answer our questions. »

Jean-Paul Huon, CTO & Co-founder, Z#BRE

## » The key players

- ✓ To optimise workplace management
- ✓ To accurately manage space and resource allocation
- ✓ To visualize information in real time on dynamic displays



## » The equipment

- ✓ 531 Blue PUCK PIR (1)
- ✓ 525 afficheurs E-Ink à encre électronique(2)
- ✓ 31 gateways
- ✓ Business application Surfya (for companies)
- ✓ Business application Coworklib (for employees) (3)



(1)



(3)

## » Technical functioning

From a technical point of view the workspace occupancy management solution is based on an infrastructure of **infrared presence sensors**. Using **Bluetooth Low Energy** technology, they are associated with **gateways and dynamic displays(E-Ink)**. The presence sensors placed under desks, in meeting spaces, will detect movements and confirm whether the space is free or occupied in a **completely**



**anonymous way**. The information is centralized by the gateways and uploaded in real time via the cloud to the Surfya business application, allowing managers to assign one or more people to a workspace and to **update the information** in real time on the dynamic displays. Employees can reserve workspaces and



resources remotely via the Coworklib application.

Added bonus : with this solution, it is also possible to automatically free up unused reserved spaces, allowing other employees to use them.

## » The results

- ✓ **Simplified and optimized** workspace management
- ✓ Allows employees to book the right resources when they need it.

## » The advantages

- ✓ **Quick and easy installation** and use (2 sites equipped in 3 days)
- ✓ Customize and update the display **remotely in real time**.