

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 Surfy (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 Surfy 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**.