



**FLEXOM**  
le logement connecté



- Connected buildings
- Smart controllers
- Intelligent services
- Large ecosystem

## The Project

As France's leading private property developer, Bouygues Immobilier's focuses on residential, corporate and commercial projects, managed by its 33 branches in France, and 4 others around the world. **In partnership with Ubiant and Ubiwizz, Overkiz has created Flexom. This ready-to-service smart building solution offers Bouygues Immobilier's new-build residents an innovative living experience.**

Flexom is based on Ubiant's cloud smart building system Hemis, which uses the Overkiz infrastructure and its modular Hattara DIN Rail controllers to connect and control multiple devices from various manufacturers. Intelligent services can be accessed with the MyHemis app and the Hemis Luminion. This luminous connected object is equipped with a NFC reader that shows energy consumption, makes it possible to add more connected devices, and enables in-home devices to interact, via NFC tags. Wireless devices are supplied by our partner Ubiwizz, who operates the overall installation.

This successful collaboration led to the Flexom solution being deployed in 8 000 to 10 000 buildings during 2017 and 2018 in France. It allows residents to remotely control a wide range of equipment—lights, heating, roller shutters, etc.—from diverse manufacturers, and create smart scenarios.

## The Challenge

- Build a cost-efficient and flexible smart building solution.
- Enable wireless communication between devices using either EnOcean or io-homecontrol® protocols.
- Cloud-to-cloud management with Ubiant to create a large ecosystem of connected devices and services.
- Provide a smart controller for each apartment.
- Remotely control devices via a mobile app.
- Integrate new devices on the go.
- Collect residential usage data.
- Remote device monitoring and maintenance.

**Bouygues  
Immobilier** 

## COMPANY PROFILE

PROPERTY DEVELOPER

FRENCH COMPANY

2 B€ TURNOVER  
IN 2016

8 000 TO 10 000  
CONNECTED BUILDINGS  
DURING 2017 AND 2018

# The Hemis & Overkiz Solution

Ubiant and Overkiz have provided an end-to-end IoT platform including smart controllers, a cloud, and APIs, to help Bouygues Immobilier deploy and manage a powerful, connected building solution.

## Hattara DIN Rail smart controller

- Modular and multi-protocol smart controllers integrated into the electrical board of each apartment.
- Wired ethernet link to a router (potential to add a GSM module).
- Wireless communication with connected devices via EnOcean and io-homecontrol® protocols.



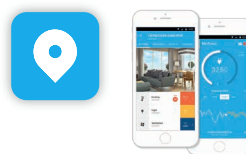
## IoT Cloud

- Embedded software for wireless communication.
- Over-the-Air (OTA) upgrade management.
- End-to-end security management.
- IFTTT engine to create smart scenarios.
- Cloud-to-cloud management with Ubiant cloud



## Applications

- APIs provided to Ubiant to develop the MyHemis mobile app.
- E-maintenance and monitoring tool for installed equipment.
- Data capture via APIs.



## TESTIMONIAL

The integration of Flexom technology has enabled Bouygues Immobilier to go further in offering services that meet the needs of our current and future clients, strengthening our position as a leading commercial developer.

Eric Pozzo-Deschanel  
Housing Product and  
Service Design Director

## BENEFITS

### Customer

- Bring to market a flexible smart building solution.
- Complete solution, in partnership with Ubiant and Ubiwizz.
- Connect and manage large product portfolios.
- Provide added-value services to residents.
- Real-time building monitoring and maintenance.

### End-User

- Control multiple home devices anytime, anywhere via a single app.
- Higher energy savings with real-time energy usage reporting and smart scenarios programming.
- Easily move in-home connected switches.
- Improve home comfort and security.
- Enjoy a new way of living.

### Overkiz

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