



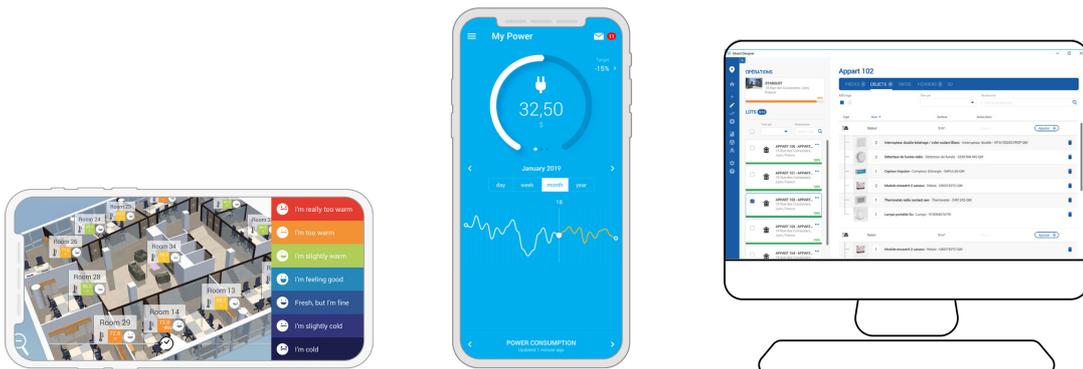
CES 2019

The Building Operating System (BOS): the keystone of service-based buildings

Ubiant has developed a Building Operating System (BOS) based on Artificial Intelligence that can be used to engender an infinite range of services in the building sector, and notably to arbitrate – in real time – between energy efficiency and comfort.

Ubiant's solution is the market's first industrialized, widely-deployed solution:
10,000 homes are equipped with the Ubiant BOS
and more than 250,000 multi-brand, interoperable objects are operated.

CES Las Vegas - Booth no. 40955, Sands Expo, Level 2, Halls A-D, Smart Home, January 8 – 12, 2019



Lyon, January 8, 2019 – Ubiant, a certified "innovative business" by BPI France, is pleased to announce its presence at the CES 2019, at booth no. 40955 at the Sands Expo and Convention Center.

You are invited to come and discover Ubiant's BOS, the keystone of service-based buildings. The BOS is used to operate a building's smart resources via application software. In so doing, it allows industry-specific solutions that were hitherto siloed and non-interoperable to communicate with one another.

Unlike IoT hubs, the BOS can contextualize the information in a unified, digital and active model - BIM (Building Information Management). By spatializing the information in this way, raw data is transformed into qualified data that carries services aligned with the building's usages. These services are dedicated to both the building's occupants and to professionals concerned (real estate promoters, engineering consultants, installers, operators, etc.) so that they may intervene in the various steps of the building's life cycle (design, delivery, operation, etc.).

Thanks to the properties of Ubiant's AI-based BOS, the building becomes context-aware and self-learning. Accordingly, it can self-adjust by crossing different comfort criteria (such as temperature, light, air quality) and different energy sources (power grid, local energy production, stored energy) to ensure a predetermined energy consumption target.

The system is based on a distributed Edge Computing architecture than can run the BOS on either a remote server (via the cloud) and/or locally to respond to data security and confidentiality constraints.

At our booth, we will be presenting the Ubiant Application enhanced with a 3D representation of the building and the link with the BIM. Representing a genuinely universal and intuitive remote control, this application brings together connected objects from the Internet of Things (IoT) and from the home automation and technical building management spheres, all within the same environment.

You are also invited to discover Ubiant's Software Suite for professionals. This software suite offers digital tools dedicated to the building design, delivery and operation phases: creation of operations and of the building's digital twin, adding dematerialized devices, establishing quotes, managing accounts and rights, associating devices by installer, data management (GDPR), BIM operation and supervision, predictive maintenance, etc.

Ubiant will also present its projects deployed in 2018 through partnerships with **Bouygues Immobilier** and **Vertuoz by Engie**:

- With Bouygues Immobilier, Ubiant is equipping all **Flexom** smart and connected homes; Ubiant's solution currently equips some 10,000 homes built by Bouygues Immobilier.
- With Vertuoz by Engie, Ubiant deployed a digital heating/comfort management solution in **140** public schools in **Paris** in the framework of an energy performance contract.

Lastly, Ubiant will be promoting the **Ready2Services (R2S)** reference system established by the **SBA** (Smart Buildings Alliance for Smart Cities) at its booth. Indeed, Ubiant upholds the importance of setting up a single, multi-usage R2S network in each building. This is a prerequisite to proposing cross-functional services such as access control, parking, caretaker services, etc.

Come and meet us

Booth no. 40955, Tech West, Sands Expo, Level 2 - Halls A-D - Smart Home Market

More images and information are available for download here:

https://www.dropbox.com/sh/po2al8139611vwi/AABA1ltlvZp0ezvn1a3-cxk_a?dl=0

For more details, please feel free to contact us:

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A certified "innovative business" by BPI France, UbiAnt designs and develops solutions for buildings and connected objects. Its goal is to further the deployment of "ambient intelligence" – improving people's living conditions in tomorrow's world while preserving the planet's resources. By making buildings smarter, UbiAnt anticipates the needs of tomorrow's Positive Energy Territories and Smart Cities, which will integrate a substantial number of connected objects and buildings. UbiAnt benefits from singular expertise in artificial intelligence, real-time distributed system management and human-machine interfaces. UbiAnt's vision is that in order to be adopted, technologies must step aside for user services and become facilitators of daily life, both at home and at the office.

Useful links

UbiAnt : www.ubiant.com

CES 2019 : www.ces.tech

SBA : www.smartbuildingsalliance.org

Vertuoz by Engie : www.engie-vertuoz.fr

Bouygues Immobilier : www.bouygues-immobilier.com

Vidéo Flexom : <https://www.youtube.com/watch?v=tE18WeLHVm8>