

## ARS: The Smartified Building

### Overview

ARS is the solution designed by Ouvert to enable the focus shifting from the infrastructure management layer to the people living in it, putting a special attention to the optimization of energy performances while maximizing people's comfort. This is enforced by a real-time analysis of the environment parameters (humidity, temperature, irradiation) and the control, by means of actuators, of the HVAC systems.

### Benefits

- Real-time tracking of the energy performances of the building with configurable alerts
- Improve efficiency and limit late corrective actions by means of predictive models which allow for anticipating the building needs (e.g. pre-heating or pre-cooling a building before the opening hours)
- Dynamic comfort and energy consumptions optimization by the automation of HVAC controls
- Performance benchmarking across different buildings to identify inefficiencies and stimulate improvements
- Customizable dashboards and reports for a quick and effective communication over the plants efficiency status

### Features

- Energy assets inventory (Buildings, Sections, PoDs, Meters, Assets tree)
- Real-time data acquisition from multiple sources (IoT networks, Building Management Systems, Weather services)
- HVAC systems parameters control through actuators
- Definition and tracking of Energy Conservation Measures
- Energy intelligence analysis: consumptions modeling, prediction, comfort optimization, anomalies detection
- Configurable alerts and notifications
- Multiple authorization profiles and assets visibility levels (all buildings, single building, specific sections, etc.)
- Financial analysis (investment KPIs, budget)
- Customizable dashboards
- On-demand production of graphic and table reports
- Data export in graphic, PDF and spreadsheet format
- Configurable automated reports

### More info

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