OGGA™

SMART HOME
&
SMART BUILDING

Eco Touch

SIMPLE, EFFICIENT, SCALABLE

SMART THERMOSTAT WITHOUT PROGRAMMING

Thanks to its innovative algorithm, Eco-Touch automatically regulates energy consumption by reducing heating during periods of absence and sleep. It also anticipates hours of return and waking to ensure optimal comfort.

It is constantly adapting itself to changes in the habits of its users to always set the right temperature according to the residents' true needs.

Heating in the ECO mode during absences	Anticipates hours of waking	☀ **20**°C ☾ **17**°C Automated «sleep » temperature	Anticipates return hours

Compatible with any type of heating

RT2012 ENERGY METER*

› Displays energy consumption history
› Alerts in case of abnormal consumption

› Displays projected monthly energy consumption
› Visualises energy consumption in kWh and Euro

Eco-Touch mesures and displays energy consumption by usage in real time :

Heating	Socket circuits	Hot water	Air-conditioning	Other

STANDBY MODE AND LIGHTINGS CUT OFF

With one simple gesture, electric circuits (sockets and lighting), connected to Eco-Touch, shutdown during absenses.
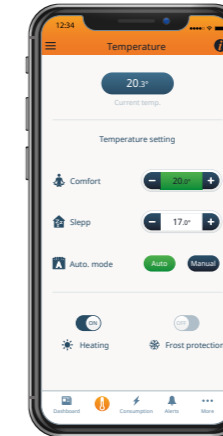
› Allows to prevent energy wastes

CONSO.

ECO-TOUCH AUTOMATES ENERGY SAVING AND OPTIMISES USERS' COMFORT !

REMOTE DATA CONSULTING AND CONTROL

The Eco-Touch mobile app allows to remotely control your home and to consult the evolution of daily, montly and annual energy consumption.

Free app | Local or remote control

COMPATIBLE WITH SMART SPEAKERS

Simplicity of use with your voice

The solution Eco-Touch can be combined with smart speakers (Google Home, Alexa Amazon) to control the thermostat or to indicate your presence or absence.

works with the Google Assistant

WORKS WITH alexa

SCALABLE SOLUTION ECO-TOUCH

Eco-Touch can be combined with products from other brands using the EnOcean radio technology.

Supervision & Security*
› Smoke detector
› Carbon monoxide detector
› Window opening detector

Health and well-being*
› Fine particle sensor (MP10, MP2,5)
› Air quality sensor (humidity, volatile organic compounds, CO_2)

*via Eco-Touch mobile app

HOW DOES ECO-TOUCH WORK ?

Intelligent and connected, Eco-touch learns lifestyle habits and programs itself for optimal comfort

Installed in the electrical panel without programming nor configuration, Eco-Touch optimises energy consumption. It automates the heating system, switches off lightings, devices in the standby mode during absences, and displays the energy consumption of your flat.

👍	⚡	🧘	☰	🧩
Simplicity of use	Energy efficiency	Comfort	Modernity	Adaptability

› Wi-FI network (open API)
› Wireless and battery-free EnOcean technology (open radio protocol)
› Functional without the Internet (except for remote control)
› Autonomous functioning thanks to its own Wi-Fi router

Patented technology

DAILY USAGE

A simple gesture dedicated to energy saving!

WIRELESS AND BATTERY-FREE SWITCH

With the swith installed near the entrance, the resident can keep total control over the system.

One action to inform the module of an inhabitant's absence or presence, and the accomodation is set to the Eco or comfort mode.

ADJUSTABLE WIRELESS TEMPERATURE SENSOR

It allows the inhabitant to manually set the desired temperature at home.

For manual operation without using the app.

Eco BOS

WHY USE A BOS IN YOUR BUILDING ?

For some years the building sector has been evolving due to digital transformation. This transformation has a big impact on the way the buildings are used and operated.

Building data are not always used in the most efficient way due to a lack of coordination between the devices or their poor integration. When better exploited these data can bring more additional value : malfunction detection, enegy oprimisation, maintenance register, predictive maintenance become possible.

As data management has become essential for the good functioning of a building on the long term, OGGA has developed Eco-BOS, a simple solution that garantees permanent monitoring of a buidling's equipment and energy consumption.
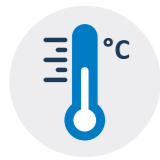
ECO-BOS FUNCTIONALITIES

Eco-BOS is connected to the infrastructure of the buidling (dwellings, common areas...) and ensure the necessary link between the different equipments on the one hand, and monitoring platforms on the other hand. It allows service providers to set up specific management interfaces to meet the needs of the building supervisors and maintenance managers. Eco-BOS manages data collection proccess that consists in integrating data from different sources (sensors) into a dedicated interface to make the data exploitable.

SERVICES AVAILABLE WITH ECO-BOS

› Building data history back up (last 3 years)
› Centralised and identified data (data access documentation)
› Local building monitoring interface that shows collected data depending on buildings' equipment
› Adding new sensors to the BOS in local access
› Authorized local access for external providers (i.e. maintenance managers)

WITH ECO-BOS, THE DEPLOYMENT OF NEW SERVICES IS EASIER

› Energy efficiency for buildings/dwellings
› Heating cost allocation
› Home care assistance
› Security service (companies selling alarm systems could use the data to improve their products)
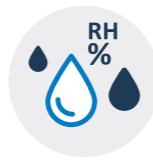› Access control updates

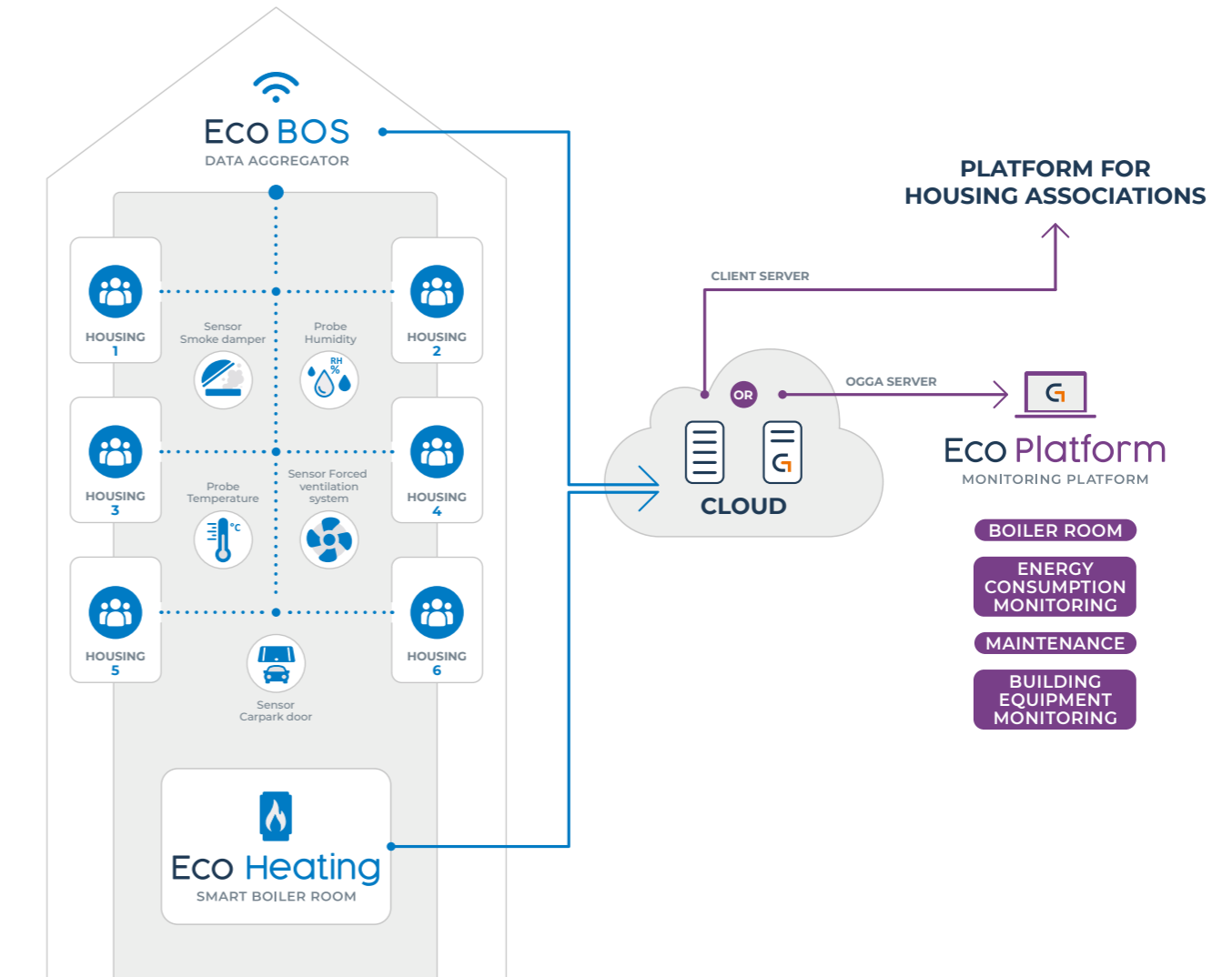| Temperature	Forced ventilation system	Air quality	Humidity	Smoke extraction	Carpark door

OGGA'S SOLUTIONS FOR SMART BUILDING

Non-exhaustive list of functionnalities and sensors

Eco Heating

ECO-HEATING, YOUR SOLUTION FOR MAKE A BOILER ROOM SMART

WHAT IS THE USE OF ECO-HEATING ?

It is important for the housing association to monitor the performance of its boiler rooms in order to optimise their exploitation and ensure a good functioning of its equipment. The good data management of boiler rooms also garantees comfort in dwellings on the long term and thus helps maintain a higher satisfaction rate among tenants.

OGGA has developed Eco-Heating in partnership with the biggest actors of social housing. It is a solution that makes possible the remote real-time monitoring of a boiler room's equipment. Thanks to this solution maintenance managers are able to prevent malfunctions and replace equipment when needed.

EXEMPLES OF DATA THAT CAN BE COLLECTED WITH ECO-HEATING

TEMPERATURES :
› Flow temperature of the sanitary hot water circuit
› Flow temperature of the radiator circuits
› Flow temperature of the primary circuit
› Outside temperature

CONSUMPTION RATES :
› Gaz consumption
› Electrical consumption
› Heating calories
› Calories of heat for sanitary hot water
› Volume of cold water used in the boiler room

OTHER MEASUREMENTS :
› Run time for a boiler burner
› Solar production

ALARMS :
› Error codes
› Alarms from a boiler pressostat

## DATA MANAGEMENT AND ASSOCIATED SERVICES

Thanks to its strategic location in the heart of the boiler room, Eco-Heating ensures good data management to send the collected data to monitoring platforms via external servers. This solution helps service providers to set up personalised operating platforms to meet the needs of housing associations' building supervisors and maintenance managers.

EXEMPLES OF SERVICES AVAILABLE WITH ECO-HEATING :
› Boiler room performance report
› Real-time consumption monitoring
› Building operator service monitoring
› Boiler nomenclature display
› Fast malfunction detection
› Equipment failure forecast
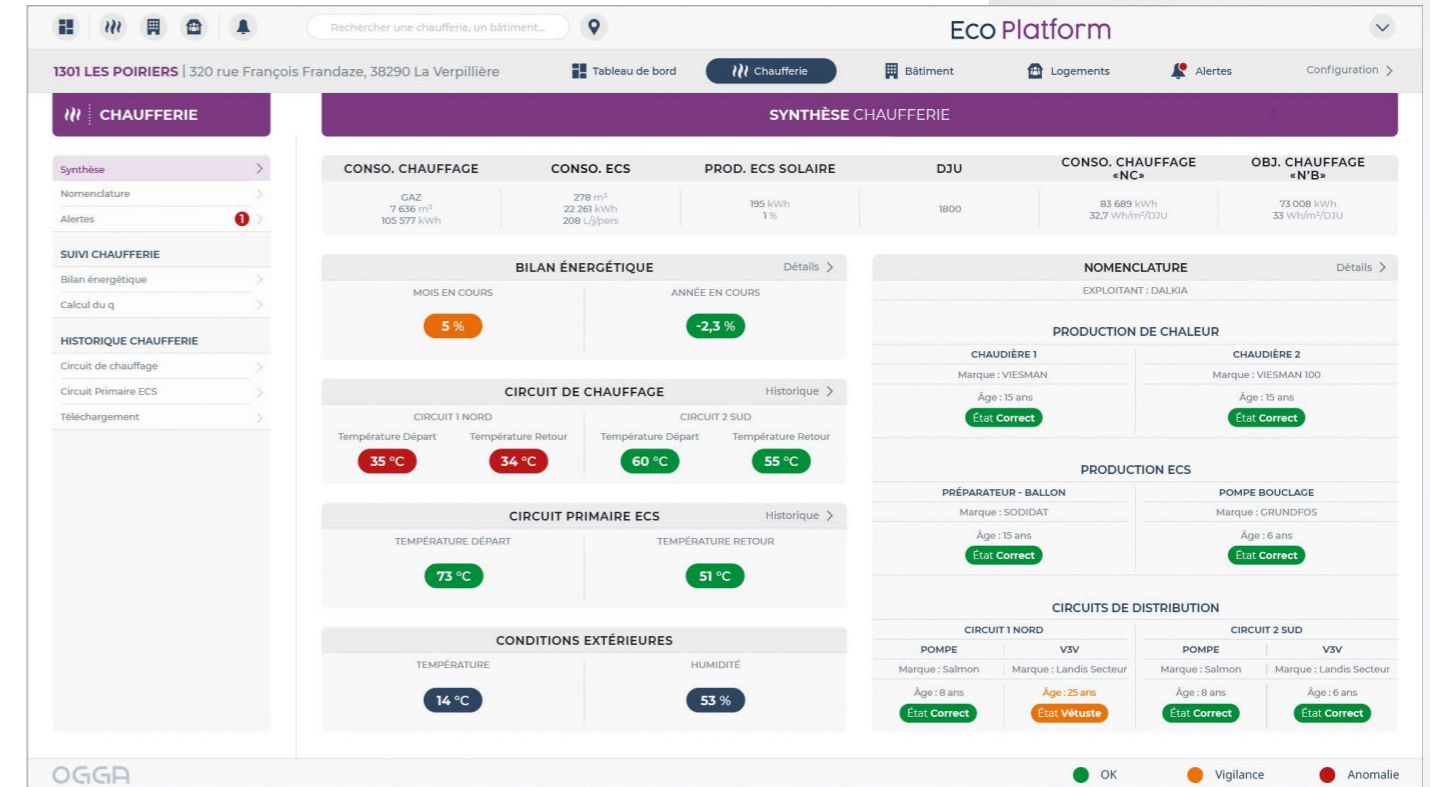
ECO-PLATEFORM | Boiler room - Overview
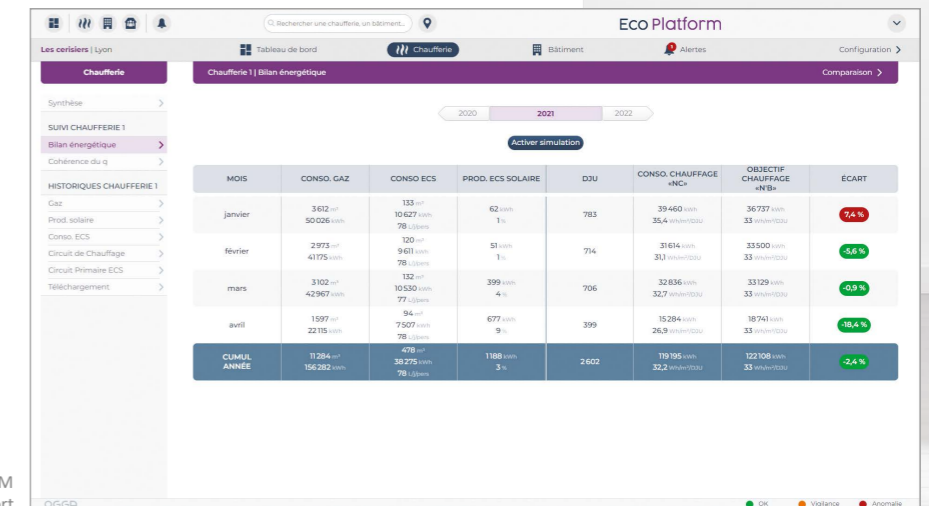
ECO-PLATEFORM
Boiler room - Report

Eco Platform

THANKS TO THE MONITORING PLATFORM ECO-PLATFORM, REMOTE MONITORING OF BUILDINGS IS SIMPLE AND EFFICIENT!

Assure yourself that the equipment in the building is totally functional

Maintaining the building stock takes an important place in housing associations' agendas and budget. According to the Convention for Social Utility (Convention d'Utilité Sociale in French), housing associations must collect data related to energy consumption and provide information on the energy performance of their building stock.

The data collected on platform allows to monitor the global energy consumption of each building and to display the energy consumption of the tenants by usage. It also alarms in case of malfunctions in the heating system and other related equipment (mechanical ventilation system, smoke detector, boiler room, smoke extraction).

SECURE AND ANONYMOUS DATA MANAGEMENT
› Energy consumption details displayed per flat/per building
› Energy consumption history per flat/per building
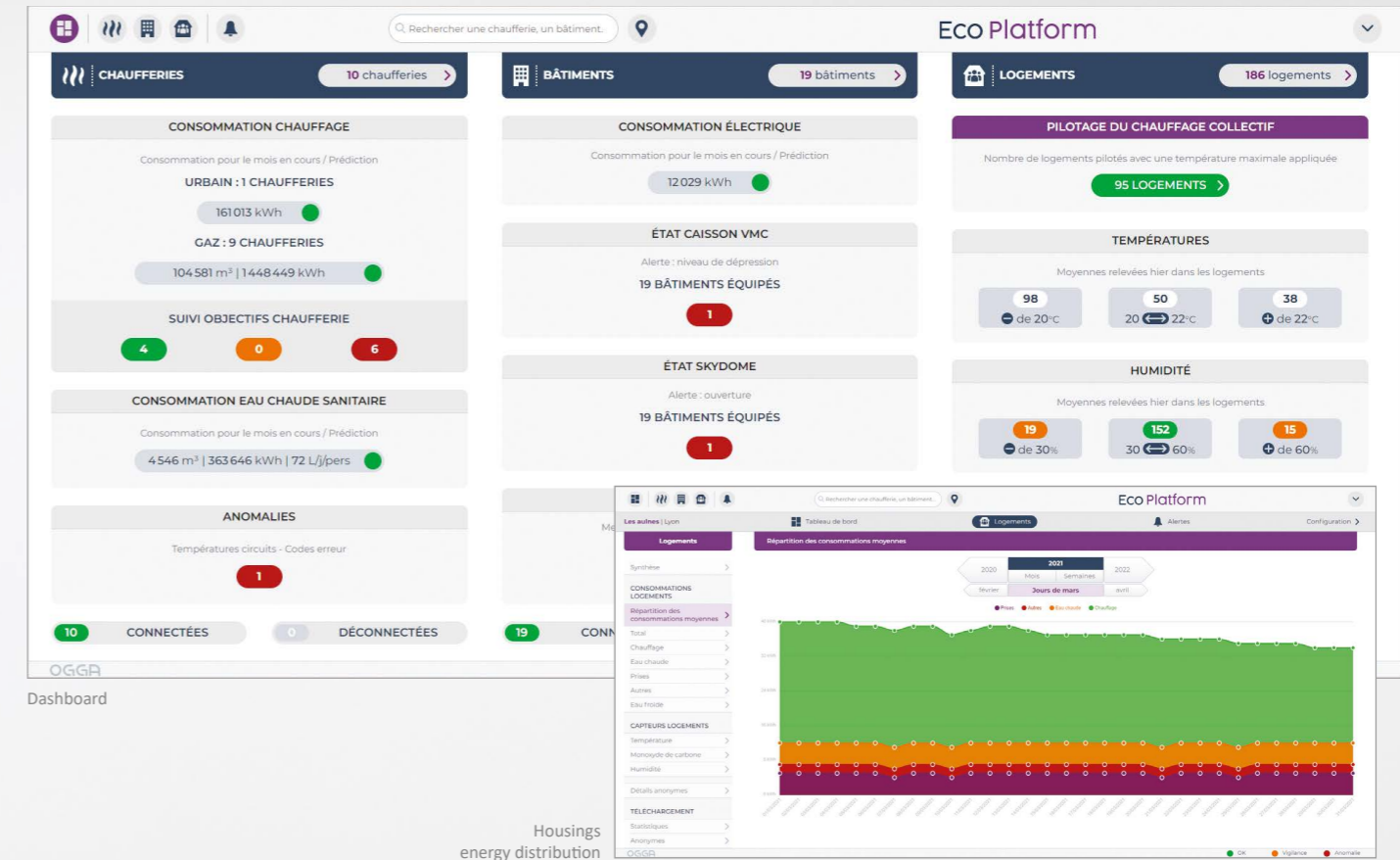› Monthly energy consumption forecast

BUILDING MONITORING
EXAMPLES :
› Individual temperatures of the flats (central heating)
› Data collected from the connected boiler
› Mechanical ventilation system monitoring
› Smoke detection
› Smoke damper
› CO2 detector

ANOMALY ALARMS
EXAMPLES :
› Malfunctions in the equipment of the boiler room
› Alarm in case of a smoke extraction system opening
› Carpark door malfunctions
› Electric outage in the common areas
› Malfunctions in the intercom system
› Lighting mafunction in the common areas

DEMO

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Dashboard

Housings energy distribution

Alarm panel

Eco Touch
SMART HOME

SOLUTION FOR SMART HOME

Eco BOS
DATA AGGREGATOR

Eco Heating
SMART BOILER ROOM

Eco Platform
MONITORING PLATFORM

SOLUTIONS FOR SMART BUILDING

AUTOMATES
energy saving

———

FAST INSTALLATION
in new construction
and renovation

———

**RESPECTS PRIVATE
LIFE (GDPR)**

———

NO
Programming
NO
Configuration

———

Suitable
**FOR ALL USERS
OF ALL AGES**

———

Made in France

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