Colasse

ENERGY SOLUTIONS

Energy performance · Ewattch

Building monitoring, control & compliance



Energy performance: measure, understand, act

With our partner Ewattch, Colasse helps you track the energy consumption of your buildings and installations in real time, detect drifts and prioritise the most cost-effective investments.

–30 %	**< 12 months**	**290 kW**	**15 km**
up to 30 % savings on the energy bill*	return on investment*	French BACS decree threshold for building automation	LoRaWAN range in rural areas, 2 km in cities

Your challenges

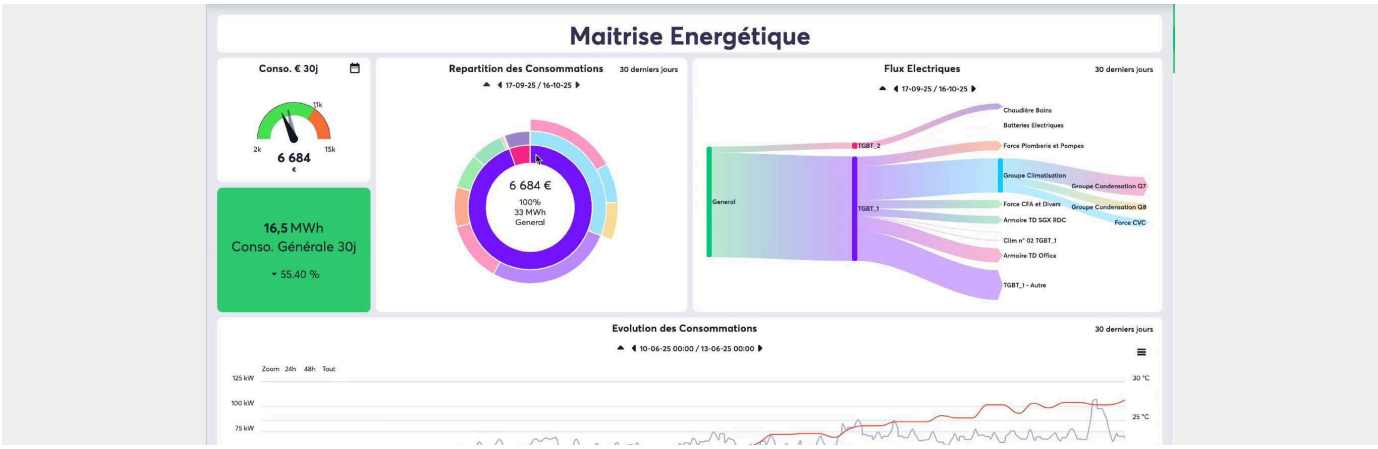
- **Regulatory compliance**: BACS decree (non-residential buildings above 290 kW) and the French tertiary decree.
- **Anticipating breakdowns** to ensure continuity of service.
- **Managing complex, diverse installations**: laboratories, clean rooms, climate chambers, HVAC, processes.
- **Reducing energy costs** and linking each consumption to an activity or project.

Our solution with Ewattch

Ewattch is a French manufacturer that has been designing IoT and building management (BMS) solutions since 2012. It masters the whole chain: **sensors and actuators**, **gateways and controllers**, and the **EwattchCloud** platform.

Colasse selects the equipment, installs it or supports your electrician, configures the platform and helps you make the most of the data.

* Average savings observed by Ewattch on a customer case (hotel). Results vary depending on the building and its use.



Measure and connect



Squid

12-channel electrical sub-meter communicating over LoRaWAN: monitoring per circuit, detection of overconsumption.



Ambiance

Comfort and indoor air quality sensors: temperature, humidity, CO_2, presence, light. Up to 10 years on battery.



Gateway Light

Plug & play LoRaWAN gateway (Wi-Fi, 4G or Ethernet) sending data to EwattchCloud.



SynapseCore

Hybrid IoT + BMS controller to control equipment: LoRaWAN, Modbus-TCP, BACnet, KNX, MQTT.

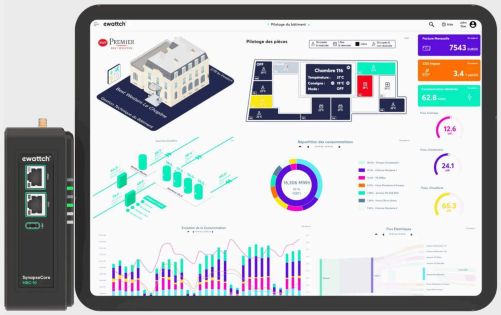
EwattchCloud, the building's control tower

- **Real-time monitoring** of consumption: electricity, gas, HVAC, ventilation, processes.
- **Alarms** by e-mail or SMS on thresholds or anomalies.
- **PDF reports** and CSV exports for audits and certifications.
- **Multi-site supervision** and monitoring of critical equipment.
- **Traceability** for BACS and tertiary decree compliance.



Why a wireless solution?

- **Minimally invasive**: no cabling, deployment in occupied buildings.
- **Ideal for renovation** and existing buildings.
- **Scalable**: simply add modules.
- **Secure**: AES-128 encryption built into the LoRaWAN network.



Beyond monitoring: your energy projects

Measuring is the first step. Colasse then supports you with the equipment that lastingly reduces your carbon footprint and your dependence on the grid.

EV charging stations

With our partner **DAZE**, electric vehicle charging stations for every use: businesses, residential buildings and public charging, with energy management.

Photovoltaic kits

Complete kits for electricians to install: panels and **Solis inverters** (single-phase, three-phase and hybrid) with SolisCloud monitoring.

Battery storage

Dynness batteries combined with hybrid inverters to store solar production and increase self-consumption.

How we support you: a continuous improvement cycle

Plan

Assess

Site visit, inventory of uses and meters, quantified objectives and choice of sensors.

Do

Deploy

Installation by our team or your electrician, commissioning and platform configuration.

Check

Measure

Dashboards, alerts and reports: actual consumption is compared with the objectives.

Act

Improve

Corrective actions, settings, priority investments… then the cycle starts again.

Starter kit to get going

- 1 LoRaWAN gateway
- 1 Squid sub-meter with 12 × 75 A clamps (4 three-phase or 12 single-phase circuits)
- 1 ambiance sensor (temperature, humidity, CO_2, light, presence)
- 3 months of EwattchCloud subscription
- Configuration of your environment on the platform

Ask us for a quote: **info@colasse.be** · +32 4 225 25 89

Colasse

Understanding your challenges is already securing your project.
Let's talk.

- **Rue Puits-Marie, 79**
  4100 Seraing – Belgium
- **1 Rue Louis Néel, Synergie Park**
  59260 Lezennes – France
- **info@colasse.be** · +32 4 225 25 89
- **www.colasse.be**

