

**CHANGE THE WAY YOU LOOK AT
YOUR ENERGY CONSUMPTION:**

**Install
Save
Smile...**



Who are we?

An experienced team



Paul BERTRAND, engineer

President



Jean-Jacques POUBEAU, Physics Ph.D

VP



**Adrien BERTRAND, engineer,
cybersecurity M.A.Sc**

CTO

Stick'n Sense, an innovative French company for more than 10 years

Hardware and software solutions to save energy and comply with EU directives (*all sites to be equipped with electrical sub-metering systems*).

Problem: Current sub-metering solutions are too expensive and require several days of installation, including cutting the power. As a result, the current payback period—several years—is prohibitive, and **90% of the market remains unaddressed**.

After ten years of R&D and customer testing, Stick-n-Sense has launched end 2024 **PanelWatch®**, the first IoT platform based on micro-sensors that finally makes it possible to equip existing electrical panels:

- **A payback period of just a few months.**
- Micro-sensors can just be **installed in a few hours. No switch off** and no panel modification.
- Compatible with **all circuit breaker brands**.
- Micro-sensors simultaneously measure **consumption and temperature**.

Measurements are processed on our [dedicated servers](#) hosted only in France and Europe, in full compliance with data confidentiality.

PanelWatch® is the first **real-time remote monitoring system for circuit breakers that allows:**

Our OFFER

- Estimate the power consumption for each instrumented circuit breaker (up to 200 per panel)
- Measure the temperature of each circuit breaker
- to warn about overconsumption or overheating

This information allows to:

- monitor energy consumption by category (heating, furnaces, pumps, lighting, etc.)
- identify sources of energy savings and establish an energy efficiency strategy
- assess fire hazards (overheating of circuit breakers)
- Comply with EU and local energy saving & CO² regulations
- Feed flexibility algorithms for energy communities (EV, Solar Panels, Batteries, Grid...)

They trust us:



PanelWatch® is powered by the worldwide-patented Stick'n Sense technology

PATENTED & PROVEN TECHNOLOGY

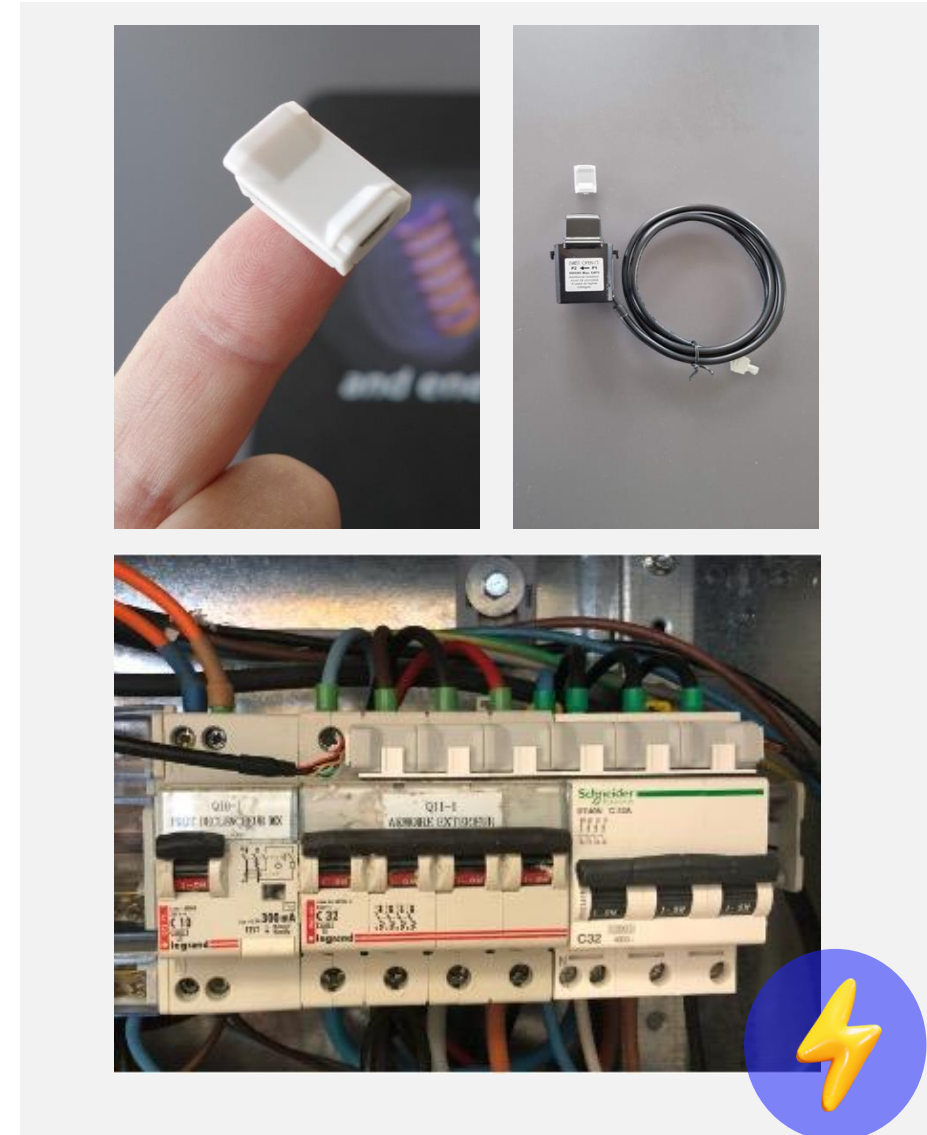
Micro-sensors to be **installed on modular circuit breakers** of low-voltage electrical panels.

Signals transmitted every 3 seconds to our servers which transform the measures into 10 mn points of energy consumption and heat-maps.

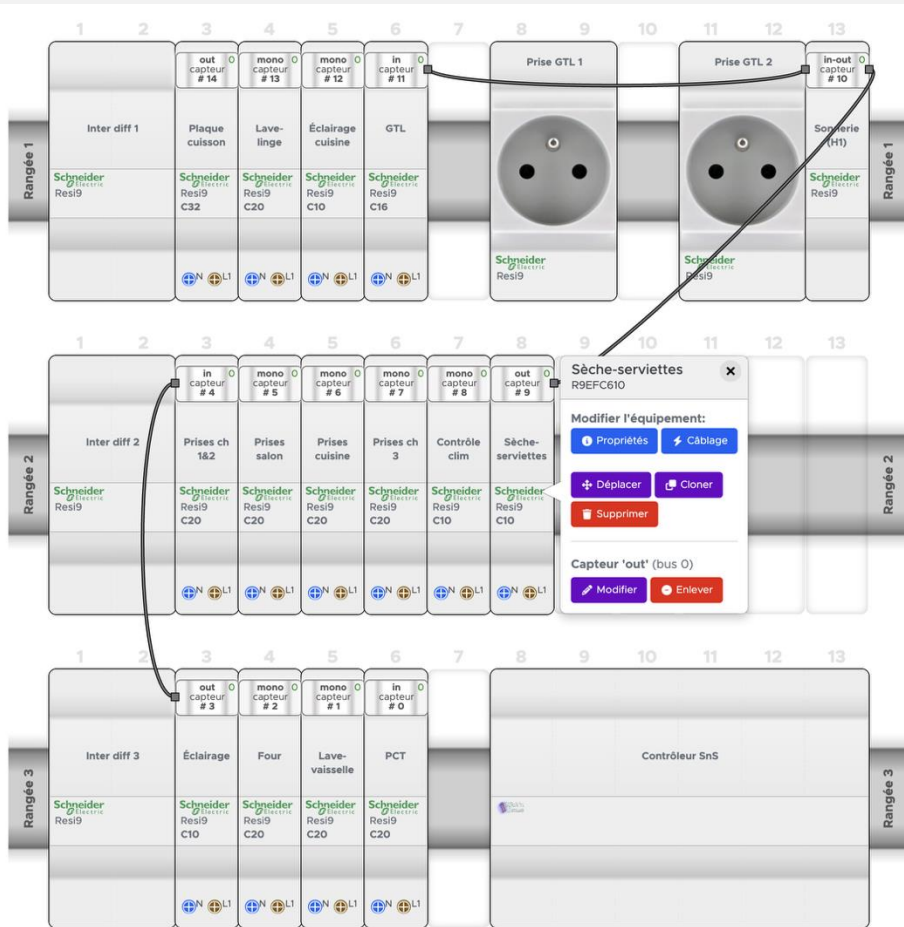
Key advantages over conventional technologies:

- **Very small footprint** (*up to 200 sensors per panel*) compared to other solutions (e.g. CT)
- **Easy installation** : no wiring modification - no switch off - **no more production stops.**
- Updates are done remotely.
- **Low cost**: pay back in a few months thanks to energy savings
- **Robust and proven technology**. The first install sites are still active and have been maintained for almost 10 years.

The technology has been patented in all major EU countries and USA



Tools and Services in PanelWatch®



An installation and configuration tool allowing:

- the creation of a **digital twin** of the electrical panel, its configuration and visualization
- **Easy**, step-by-step installation in the panel
- Checking the **proper commissioning** of the system

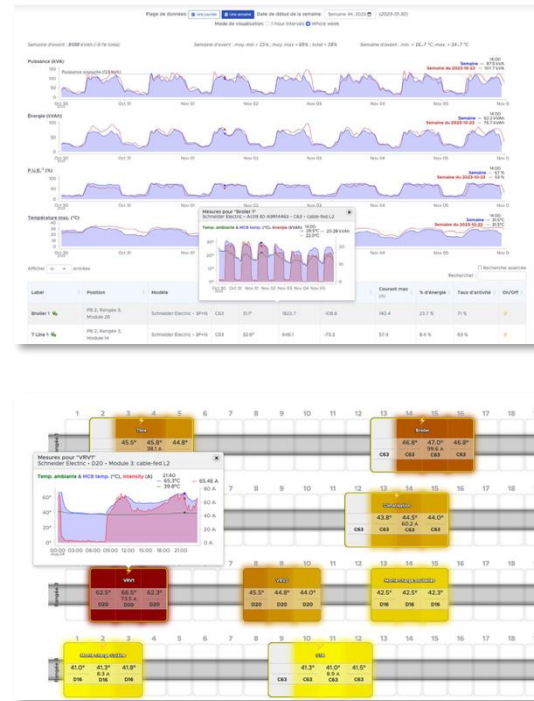
Alarms in case of:

- On/off schedule discrepancies
- Consumption drift of a load
- Circuit breaker overheating
- etc.

Periodic reports and APIs for transferring data to third parties.

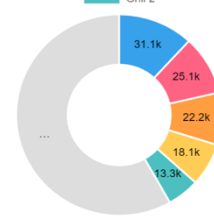


A platform designed for real-time status and historization

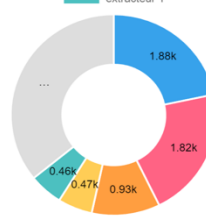
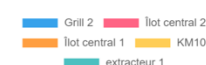


Live dashboard

Énergie: Top 5 du jour



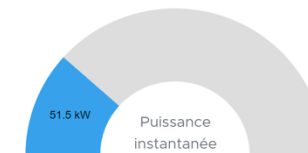
Top 5 des 10 minutes



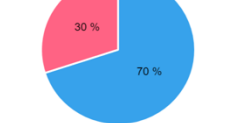
Données de comptage

- Voltages (V): 241.6, 239.8, 244.3
- Intensités (A): 72.9, 86.6, 57.0
- Puissances (kW): 17.3, 20.6, 13.6

VA max du jour: 116 kVA



Productivité calculée: 70%



Énergie jusqu'à maintenant: 262.5 kVAh. Semaine d'avant, même heure: 316 kVAh (-16.9% total)

Alertes

Activité du contrôleur

État actuel: aucun problème

Statut on/off des équipements

État actuel pour [10:10 - 10:20]:
- îlot central 1 était ON mais devait être OFF

Hautes températures atteintes aujourd'hui

État actuel: aucun problème



Business model & market

- **Indirect approach** toward integrators, aggregators, and energy efficiency consulting companies (e.g. *LITE* and *Dcbel* in France)
- **Hardware** : average price per site : 6-12k€
- **Platform subscription**: €1,200/year/site
- **TAM** France: €3.5–5B • Europe ×8

Traction and Validation 18 months after product launch

~2500 sensors installed in 2024–2025

- 10 Burger King (*from our former partner Inovadea*)
- 10 Leclerc highway service stations (*35 panels, 2,000 sensors, 15 additional stations under discussion with our partner LITE*)
- 2 central community kitchens (*LITE*)
- Municipal facilities – energy communities (*Dcbel*)

We are looking for partners in all EU
Market is huge and so far, poorly or insufficiently equipped.



Q & A

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Thank you!



PanelWatch

