

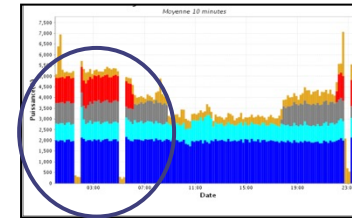
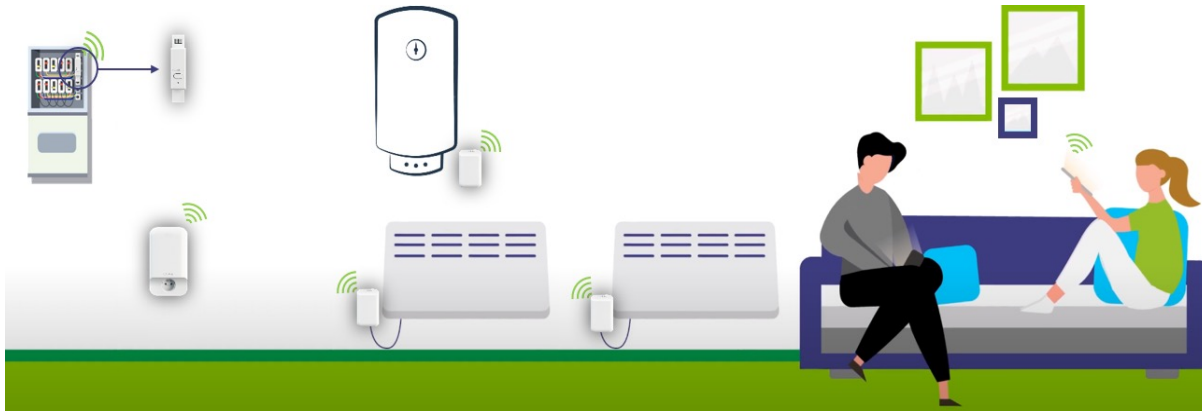
DEMAND RESPONSE FOR (SM)ALL CONSUMERS



European Workshops on Demand Response
December 6th, 2022

SIMPLE ATTRACTIVE OFFERING PROPOSED TO END-CUSTOMERS

FOR FREE



Home' Consumption curve

Automated load reduction

- ✓ Save energy while safeguarding comfort for users
- ✓ Provide Demand Response to the system

Same comfort

- Adaptive and precise cycling strategy
- 15 year experience with excellent satisfaction rates (75%)

Eco Friendly

- Significant CO₂ emission reduction thanks to avoided generation
- Zero waste, Zero emission, Zero risk

Solidarity

- Reduced risk of blackouts
- Contributes to a more efficient and reliable power system

... and more services

€ Up to 15% Savings

AN EFFECTIVE & ROBUST ROLL-OUT PROCESS

Acquisition

- 1 Local partnerships (cities & landlords) : communication campaigns
- 2 Digital & 3rd parties (energy suppliers)

Installation

- 1 Staffing & training of technical teams
- 2 Management of appointments for installation
- 3 Installation by a technician (<2 hours)

Support & back-office

Control and validation of the installation & assistance to customers



Large media coverage

- ✓ Numerous press releases
- ✓ Press conferences with partners
- ✓ TV & radios

France 2 – JT soir – Avril 2022



Mathieu Bineau : nous permettons de réduire la consommation à certains moments particulièrement critique pour le réseau ».

Le Monde

Chauffage : un boîtier intelligent pour réduire sa consommation

La PME française Voltalis produit un thermostat permettant de réaliser des économies d'énergie. Un scénario qui devrait prendre de l'importance à la rentrée, dans un contexte de réduction des livraisons de gaz russe.



Boîtier Voltalis de pilotage de la consommation de radiateur et son application, VOLTALIS

VOLTALIS, THE EUROPEAN LEADER OF WIDESPREAD DEMAND RESPONSE



1,200,000
End-appliances
connected



500+ Partners
landlords and
local authorities



200
employees
+ 200 for roll-out



Certified by
French TSO
since 2008

**A recognized and
supported solution**



**A solid investment
capacity**



**Ready to deploy in
Europe**



Target : >1 before 2024, 3-5 GW of DR capacity within 3-5 years

LOCAL PARTNERSHIP

- ✓ The “Communauté d'agglomération de Cergy-Pontoise” is a community (public establishment of cooperation) between 13 municipalities, extending over the departments of Val-d'Oise and Yvelines, 30 km northwest of Paris, on the river Oise. It was formed from the new town of Cergy-Pontoise created in the seventies.

- ✓ 13 municipalit

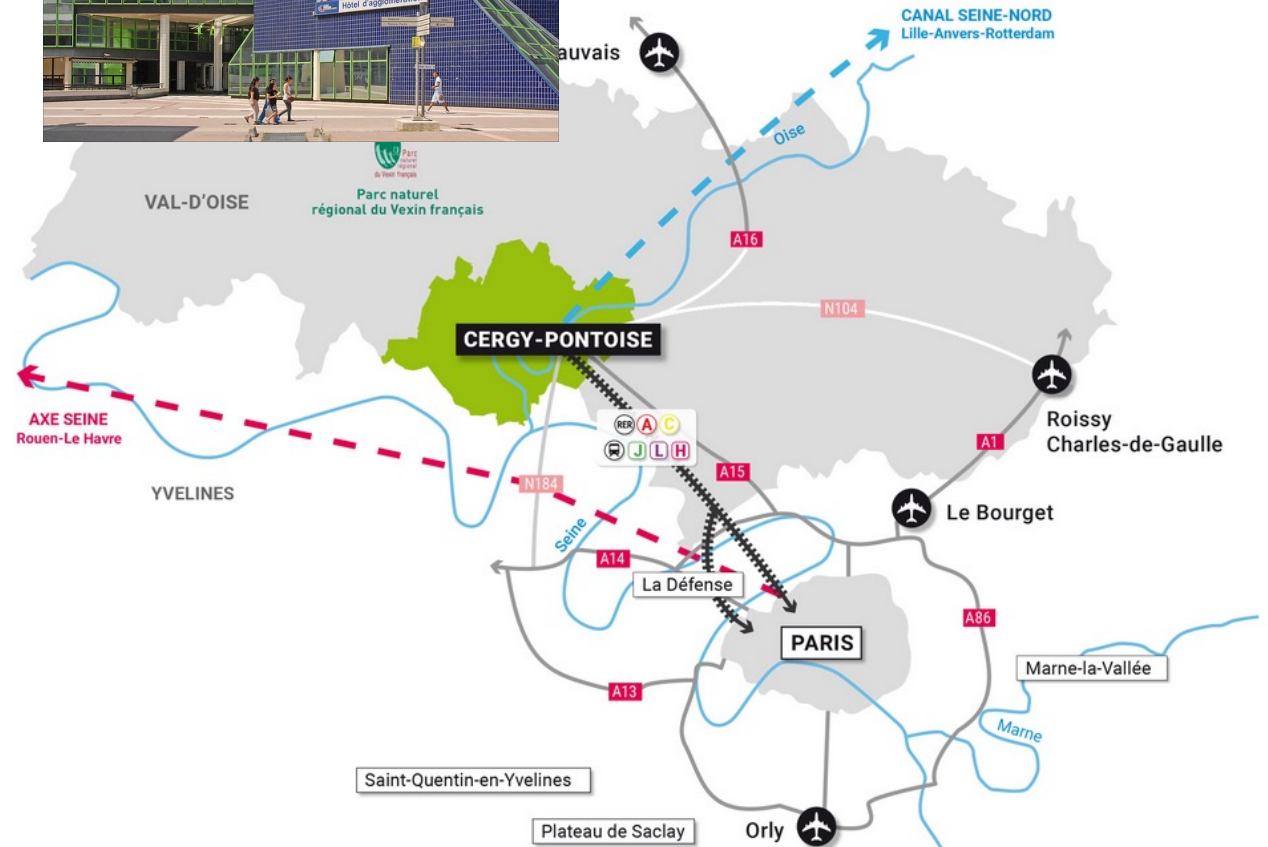


inhb.

M. Marc DENIS

VP in charge of Energy and Environmental
Transition

Administrator of AMORCE & Secretary of CLER-
Réseau pour la Transition Énergétique



LOCAL PARTNERSHIP



Local context : Main energy supply sources

- ✓ Heating networks → procurement of 30 000 households ; 75 % supplied by renewable (wood) & recovered (waste incineration) energies
- ✓ Gas (20 000 households) → strategy for progressive substitution by heating network
- ✓ Electricity (20 000 households) ; mainly in individual housing ; generally bad or poor insulated habitat → both environmental & social issues

National context :

Awareness of the fragile & particular situation due to :

- ✓ Electric heating → high level consumption peaks
- ✓ Nuclear power plants → risk of generic defects



The French current situation : probable supply disruptions, strong price increase

What to do ? Which local contribution (even partial) to face and help mitigate these peaks ?



Decision to implement a **partnership in order to **deploy a campaign of installation of Voltalis devices****

LOCAL ROLL-OUT CAMPAIGN IN:



Communication & roll-out campaign organized in 2022 to inform inhabitants of Cergy-Pontoise community

- ✓ Letter from elected officials to inhabitants
- ✓ Flyers
- ✓ Posters (shops, municipality buildings...)
- ✓ Web sites, social networks and city magazines
- ✓ Media coverage in local press



✓ Excellent 82% acceptance rate

✓ « First round » roll-out:
2 100 installations (vs target of 2 000)

✓ 7.1 MWp of DR capacity installed

