

CIAC International Technologies

France and International

**Intervention time**  
2017 - 2020

**Total cost**  
8.51 M €

**Engaged workforce**  
CIAC IT : 12

## VERTPOM : Véritable Energie du Territoire Positif et Modulaire

*VERTPOM is a turnkey multi-fluid management solution that optimizes the Territory's energy efficiency. VERTPOM generates environmental and societal wealth through the energy bank's artificial intelligence: VERTPOM BANK. This solution is deployed with our partners :*

- Gazelec de Péronne with a renewable energy integration – Picardie
- The specialized laboratories of the University of Picardy Jules Verne – Amiens

*At the crossroads of these subjects, they are the right framework for a POSITIVE AND MODULAR ENERGY TERRITORY. VERTPOM BANK offers digital management and decision support tools so the territory produces more energy than it consumes.*

*These new services improve the quality of life in the territory: multi-fluid IBoxes (elec, gas, water and self-consumption), Smart charging for electric vehicles, optimizing networks with non-intrusive sensors (from predictable maintenance to self-healing network), energy efficiency and energy control for buildings and public infrastructure, as well as interactive services with consumers (web portal).*

**Thematic**

**Prestations provided**  
Smart Grid Solution Designer and Provider

### Partners



## Results

### Innovation

Major innovations include:

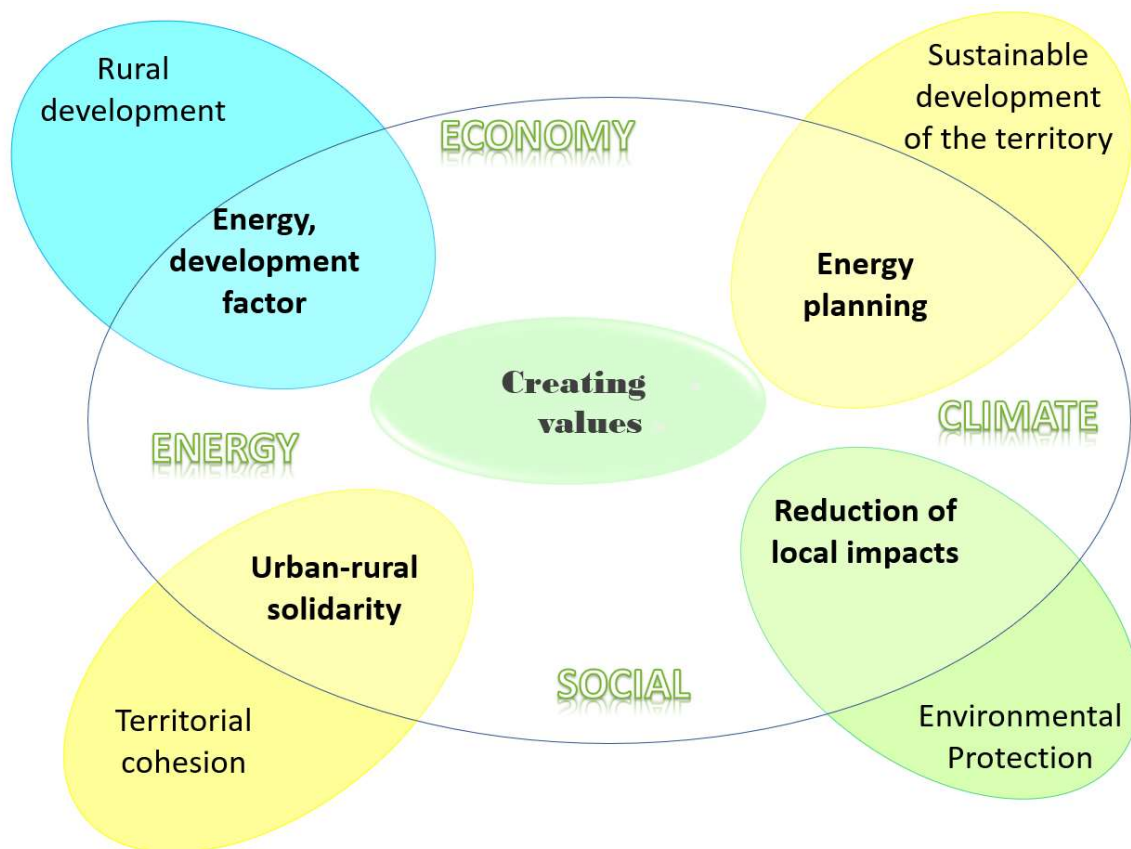
- A multifluid global approach for energy: The positive energy territory covers all its energies (produced and consumed)
- The VERTPOM BANK software tool based on a simulator and Artificial Intelligence algorithms.

### Economics and social

We develop and deploy a turnkey solution for national and international Distribution grid operators. With our interactive web portal, based on sociocultural studies on the territory, the consumer becomes an actor in the energy transition.

### Environment

VERTPOM enables the integration of renewable energy, electric vehicles management, smoothing the peaks, implementation of local and national energy control programs, reducing line losses and introducing environmental parameters. VERTPOM BANK predicts complete production/ consumption cycles through optimal and intelligent management reducing GHE (Green House



With more than 130 members, the Club ADEME International assists the SMEs in its network in the development of innovative projects and international partnerships. The objective is to participate in the dissemination of French knowledge, by supporting the private and public sector in the ecological and energy transition sector in order to meet global environmental and climate challenges.

More information : [www.clubinternational.ademe.fr](http://www.clubinternational.ademe.fr)

