

# Inspiring Energy community projects in western part of France





**Smile & Atlansun**

—  
**Projects' accelerators**

# A large scale smart-grids deployment and 2 showroom sites to welcome visitors



- Lead by regional governments of **Bretagne and Pays de la Loire**
- Aims at supporting emergence, implementation and deployment of collaborative projects in **smart grids & energy management**
- More than **300** members
- **94** collaborative projects



5 main topics

- Smart grids, flexibility and smart areas
- Collective self-consumption and smart buildings
- Smart islands
- Data and consumer engagement
- Green mobility

- **3 000 visitors** since mid 2019
- **170 events**





# Atlansun, strong partner on collective self-consumption projects

Our objective : Develop solar power in the regional energy mix and to strenghten the solar segment in western France

With more of 150 members representing the entire solar value chain : solar companies, bank, insurrance, DSO, TSO, local authorities, energy agencies ...

PROMOTING

KNOW  
HOW



FUTURE  
OF SOLAR

RESSOURCE  
CENTER



# Energy community : key data

- ❖ 39 projects known by ENEDIS (DSO), 11 in the western part of France since 2017
- ❖ Projects mainly lead by local authorities and social real estate
- ❖ PV energy production mainly and small selfproducers and consumers
  - ❖ 1/7/2021 : producers and consumers over 250 kVA will be able to participate to collective self-consumption





# Energy communities projects

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## Focus on 3 projects



# PARTAGELEC – Project #2 in France



❖ A **collaborative self-consumption** project based on the production of PV electricity and located on several site around the town.

## Objective:

❖ to demonstrate the viability and the sustainability of a photovoltaic system in self-consumption mode.





# La Marseillaise



La Nantaise d'Habitations 

Groupe ActionLogement



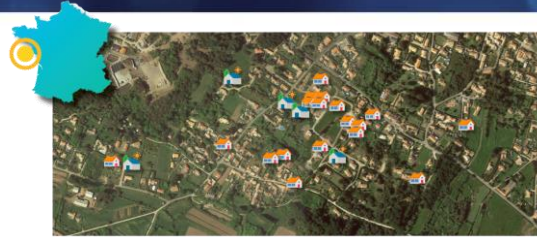
## ❖ Energy efficiency building optimization

Roof-top hybrid PV panels

Collective energy self-consumption model

30% reduced cost of young workers electricity charges

# Harmon'Yeu



Launched in March 2020, for a 2 year experimentation  
 23 individual houses. 5 of them producing electricity in l'Ile d'Yeu. **A unique configuration in France !**

## First results after 9 months of experimentation

97%

Selfconsumption rate

20%

Autonomy rate



23,7kWc  
 65 panels, 107m<sup>2</sup>  
**installed on 5  
 houses**



23 data counting  
 moduls (tiko)



1 battery  
 of 15 kWh  
 (sonnen)



6 Hot water  
 tanks  
 are piloted



Software for  
 production –  
 consumption  
 optimization



Customer  
 Dashboard





# Tools to support the emergence of projects

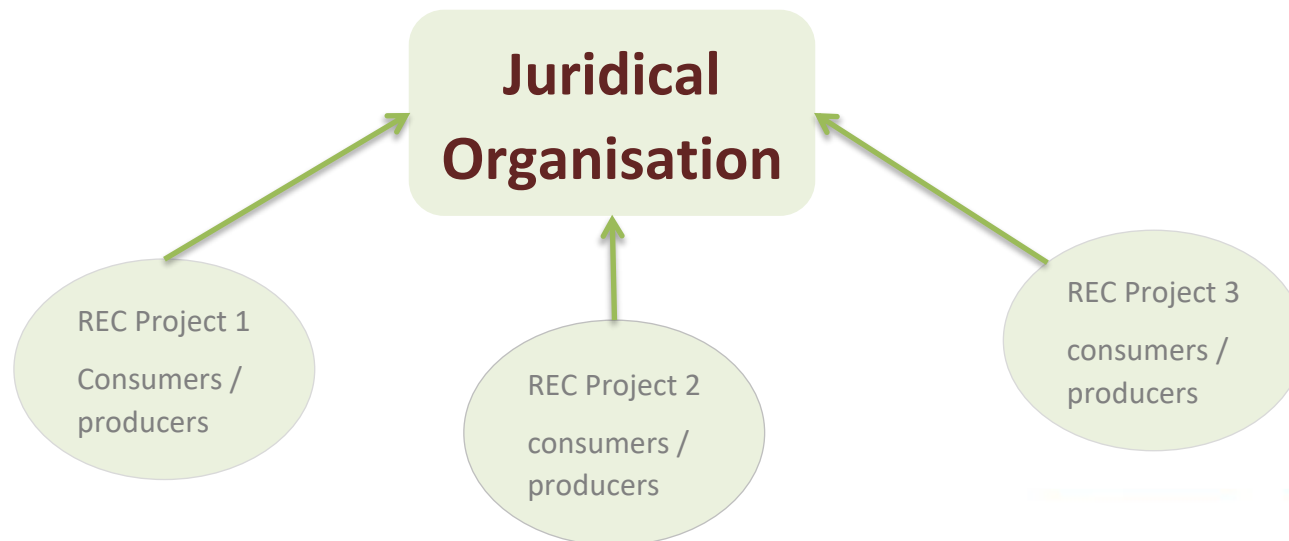
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# A juridical tool



- ❖ Avoid a dedicated organisation for each project
- ❖ Reduce OPEX
- ❖ Simplify the project running and administrative processus



# SMart Ideas to Link Energies



We are available for further information and to organise customized visit.

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