



*Supporting the development  
of our energy future*



## FORUM AUTOCONSOMMATION PV

**21th Sept 2017**

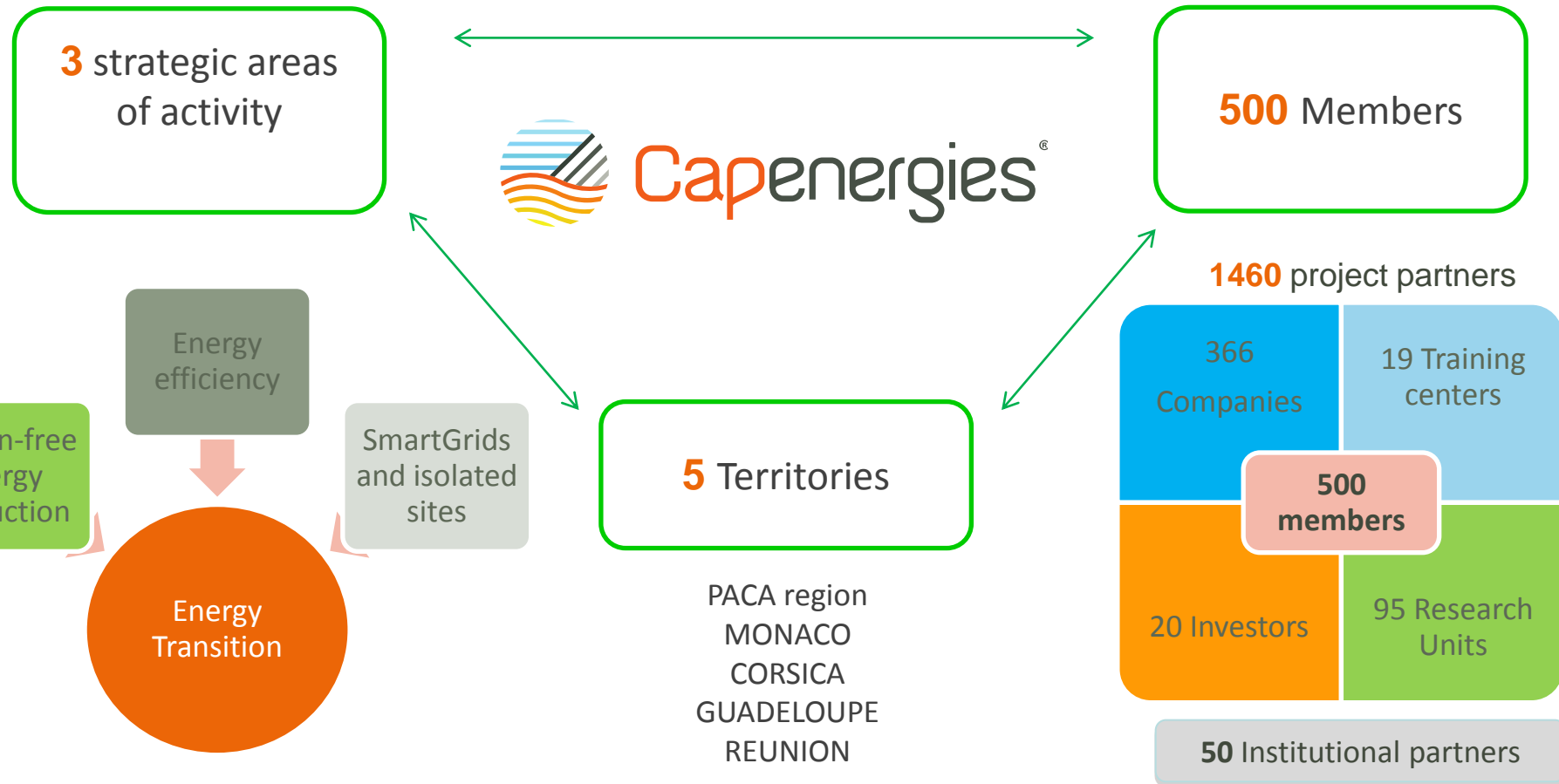
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**François Contal Délégué Territorial 06-83-Monaco**

[www.capenergies.fr](http://www.capenergies.fr)

# FIGURES: THE STRENGTH OF A DYNAMIC NETWORK

3 core founding members: CEA, Edf and Corsica Agency Dev. Eco.



Budget 2016: 2,97M€ / 50% publics funding  
14 people



# DE MULTIPLES CAS D'USAGES, TOUS INTEGRANT DE L'AUTOCONSOMMATION PHOTOVOLTAÏQUE



Programme d'industrialisation des Réseaux Électriques Intelligents

The drivers to foster renewable energies, electric mobility and energy efficiency in France



## USE CASES

### ➤ SMART INDUSTRY AND SMART ECONOMY

- Smart airport
- Smart warehouse
- Smart aromatic industry
- Smart Data center
- Steel industry
- Smart Greenhouse
- Smart school/university
- Smart railway station
- Smart holiday resort
- Smart hotel
- Smart hospital
- Smart stadium

### ➤ SMART TERRITORY AND SMART CITY

- Smart disadvantaged neighborhoods
- Smart seaside cities district
- Smart ski station



# FLEXGRID projects portfolio

Self-consumption of renewables, storage, energy optimisation and greater flexibility of the regional and international key economic sites



**Data centers  
(electro-sensitives)**



**Heavy industry  
(intensive consumption)**



**Cold-storage transport and  
warehouses**



**Agriculture, agro-processing and agro-industries**



15 sites

## Project contents :

- RES self consumption
- Electrochemical energy storage and demand storage (process, cold...)
- Active management of productions/storage/ consumptions

## Use values and economic values sought by companies :

- Capturing the lower market prices (purchase/sale), securing prices
- Power reductions
- Avoiding costs of disturbance on the public distribution system and consumption errors
- Cost sharing between erasing and RES self-consumption
- Enhancing their public image
- Providing flexibilities and system services to electricity grid operators



**Tourism**



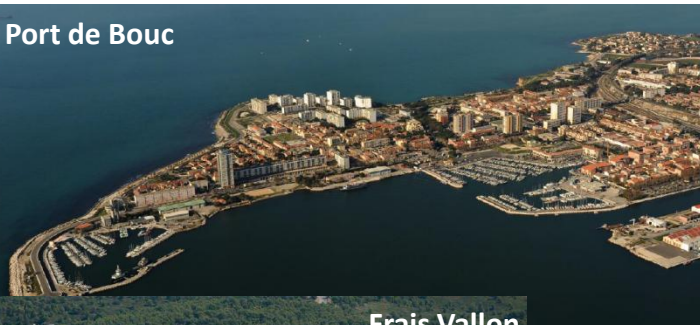
**Aromatic industries**



# FLEXGRID projects portfolio

Self-consumption of renewables, storage, energy optimisation and greater flexibility of the regional and international key economic sites

Port de Bouc



Frais Vallon  
(Marseille)



Sustainable and inclusive cities  
(logements sociaux)

Les Orres  
Isola 2000  
Devoluy



Mountain resorts

River and protected territories



Hautes Alpes et Alpes de Haute Provence

Islands and remote areas

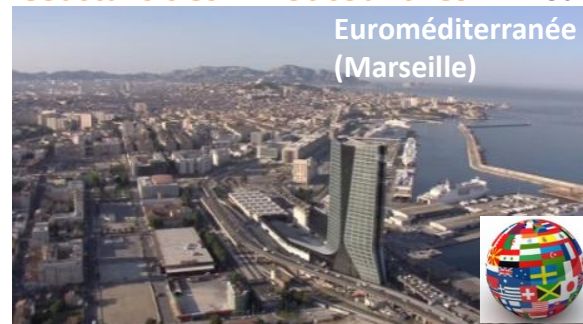


Lérins



Coastal cities in hot countries

Toulon, Cagnes/mer



Euroméditerranée  
(Marseille)



Nice



## 17 projects

### Project contents :

- RES self-consumption (PV, hydroelectricity, seawater circuit technology, geothermal energy, hydrogen, biomass...)
- Demand storage (process, cold)
- Active management of productions/storage/consumptions
- Smart meters and smart grids (distribution networks)

### Use values and economic values sought by companies :

- Power/energy reductions
- Securing prices
- Cost sharing between erasing and RES self-consumption
- Boosting social, economic, territorial development
- Providing flexibilities to electricity grid operators



# CAPEENRGIES IS SUPPORT BY :

