CAPENERGIES, A RESPONSIVE AND COMMITTED NETWORK

530 PARTICIPANTS
- Companies
- Research & training structures
- Finance organisations
- Local authorities, institutions & associations

1,800 SPECIALIST PARTNERS IN THE ENERGY SECTOR
Europe:
- 3 MoUs
- An international network of 60 partners in the Euro-Mediterranean area

4 TERRITORIES + Monaco
- PACA region
- Corsica
- Guadeloupe
- Reunion Island
- Principality of Monaco

Projects
703 accredited projects
A budget of €1,480 million for accredited projects
389 projects funded
€486 million is subsidies
140 products placed on the market

Growth of SMEs*
+3.7% turnover over 2 years
+ 17% rise in workforce
*For a selection of members

Jobs in the territories
+ 50,000

Europe:
- PACA region
- Corsica
- Guadeloupe
- Reunion Island
- Principality of Monaco

GREENinMED
A STRATEGY FOR INNOVATION IN SYNC WITH THE ENERGY TRANSITION ACT

REDUCE CARBON EMISSIONS AND IMPROVE ENERGY EFFICIENCY

- Transport
- Construction sector and urban ecosystem
- Industry and infrastructures

OPTIMISE AND SECURE LOCAL ENERGY SYSTEMS

- Towns
- Mountains, islands and tourist areas

PRODUCE LOW-CARBON ENERGY

- Renewable energy
- Nuclear energy
A joint public-private programme (2016-2022)
supported by the South region and managed by Capenergies to foster an economic ecosystem of territories and companies

43 territorial projects
divided into 4 categories to cover 20 types of application

6 cross-disciplinary actions:
Mobilising society to adapt to changes, mobilising and supporting companies, encouraging international actions, training, data platforms, cyber-security

Flexgrid data: 6 cases
MEDITERRANEAN SUSTAINABLE BUILDINGS:
Envirobat BDM

300 criteria on 7 categories, specific to Mediterranean climate

- Territory and site
- Materials
- Energy
- Water
- Comfort and health
- Society and economy
- Project management

Another label: Mediterranean Sustainable Districts (QDM)

Hotel communautaire Le Grand Sud - Cogolin
MEDITERRANEAN SUSTAINABLE BUILDINGS:
Envirobat BDM

- Enseignement
- Maison individuelle
- Tertiaire
- Réhabilitation en site occupé
- Habitat collectif
- Process

Médaille BDM
- CAP BDM
- BDM Bronze
- BDM Argent
- BDM Or

Phase de l'opération
- Conception
- Réalisation
PUBLIC BUILDINGS IN NICE: NICE FLEX AZUR PROJECT

Experiment the electrical flexibility applied to the buildings of the Metropolis and the City of Nice.

Objectives:
- Optimize the electrical consumption of buildings across the territory.
- Reduce energy costs.
- Prepare the integration of renewable energies.

The experiment involves 20 buildings
-> transfer of knowledge to hotels industry

Technical management of existing buildings (BEMS)
Existing TIC infrastructure of the community
SMART GRIDS READY BUILDINGS

CONNECTED BUILDING
SGR Level 1

Energy flows
Data flows

Communication of consumption

Data management platform

District energy pilot

Source: Smart Grid Ready Building recommendations
SMART GRIDS READY BUILDINGS

SELF-MANAGED BUILDING
SGR Level 2

Energy flows
Data flows

Communication of consumption

5 RT usages:
- Heating
- Hot water
- Lighting
- A/C
- Auxiliary

Data management platform

Transmission of data from the energy pilot

District energy pilot

PILOTED BUILDING
SGR Level 3

Energy flows
Data flows

Communication of consumption

5 RT usages:
- Heating
- Hot water
- Lighting
- A/C
- Auxiliary

The building returns energy

District energy pilot

Monitoring

Transmission of flexibility scenarios

Source: Smart Grid Ready Building recommendations
MANY THANKS!