e-GOTHAM Building a smarter energy distribution system









Sustainable - Smart Grid Open System for THe Aggregated Control, Monitoring and Management of Energy

RESEEties - Energy day - Potenza





Overall details



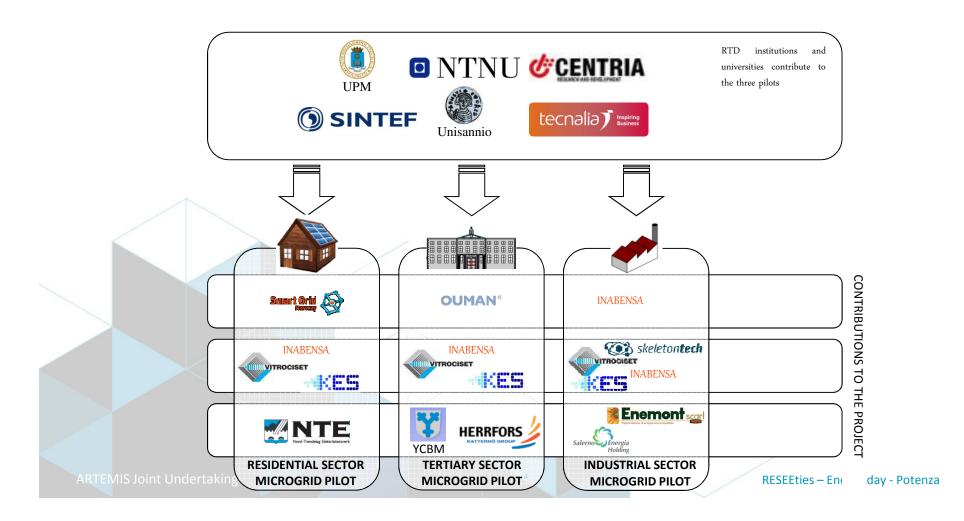
RESEEties – Energy day - Potenza



Consortium



The project includes the RTD and industrial organizations









 Multi-utility company in natural gas distribution & selling, water, energy services, other public services.

100% owned by the Municipality of Salerno







Salerno Energia Holding Project

Pilot case:

Industrial sector microgrid + natural gas:

- Definition of requirements
- Business model

RESEEties – Energy day - Potenza





Today's energy distribution systems

2017

- Rigid and Closed due to:
 - Physical constraints
 - Incompatibility



Future energy distribution systems

Flexible and Open for:

awareness and control

management efficiency

▷ Consumption

▷ Infrastructure

New markets for

energy-efficient

technologies





9

The energy distribution shift

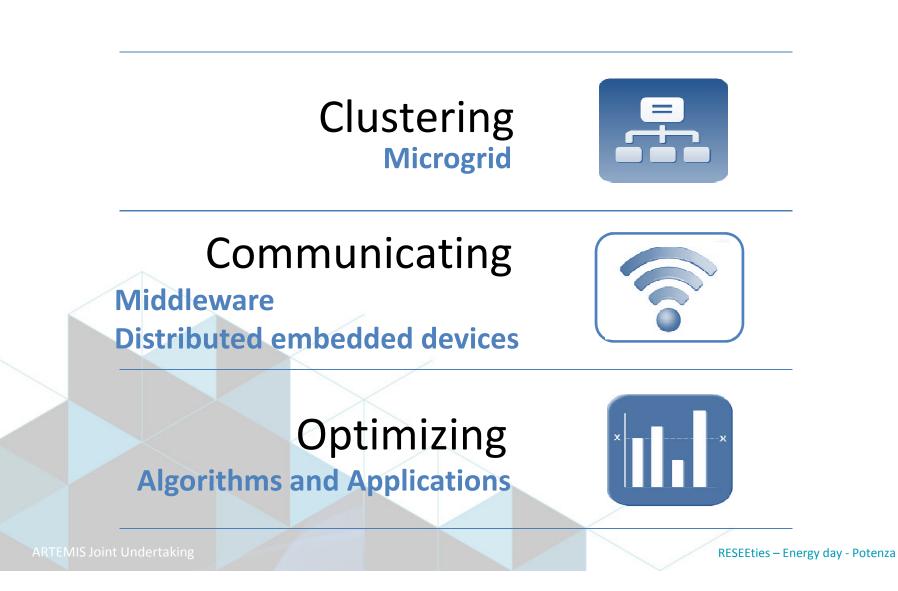




Approach



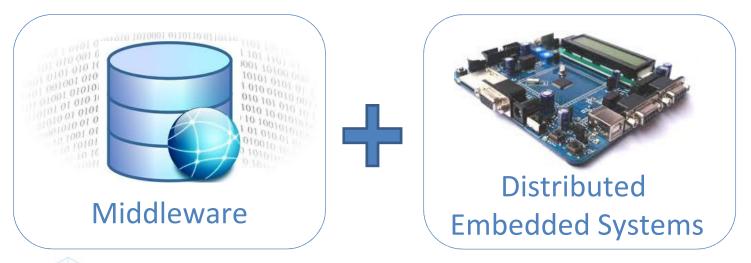
10







Technological Innovation



- Communications and topology
- Distributed energy resources connection
- Microgrid control mechanisms
- Semantic information integration





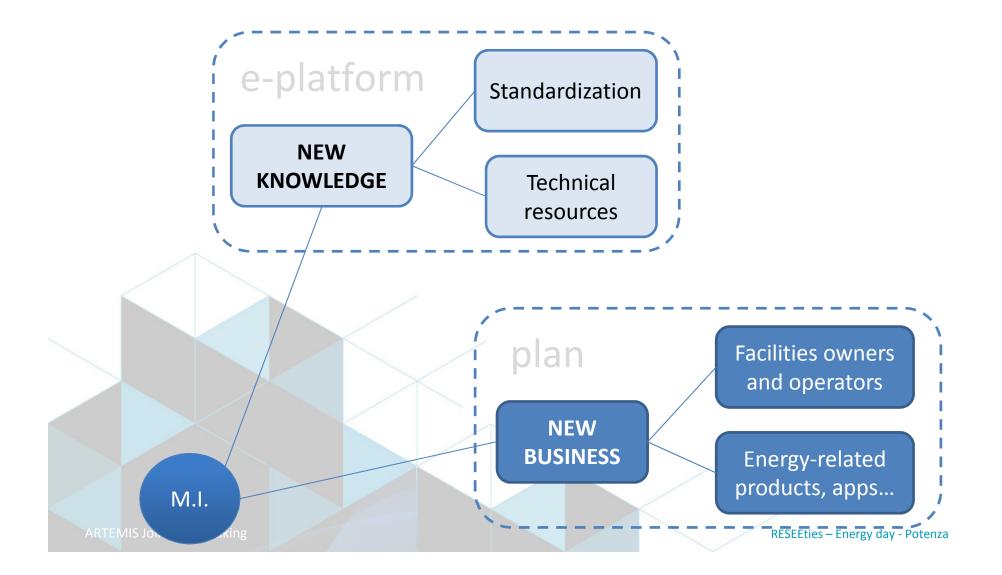
Technological Innovation

- The results will contribute to Artemis goals:
 - Optimize embedded systems
 - Create monitoring and control mechanisms
 - Foster eco-efficiency and eco-sufficiency

e-GOTHAM also contributes to achieve the European triple goal of the 20-20-20 initiative



Market Innovation







Create the building blocs

Test them in 3 real scenarios

Next steps

