

2ND MAS²TERING WORKSHOP

The EU has committed to replicate the success of national electricity balancing to more localized levels. **Are you ready for the deployment of district energy management?** The Mas²tering project would like to help prepare you for this transition by inviting you to participate in its second business convergence workshop entitled “Smart Grid Technologies and Project Use Cases” taking place in Brussels on 11 Sept. The workshop will focus on technologies that enable local energy management and how they can be used to develop joint services and value for DSOs, Utilities and Telecoms. Project use cases will provide examples and opportunities for discussion at the home, district, and low voltage grid management levels.



GDF Suez Tower, Blvd Simon Bolivar, 34, Brussels

WORKSHOP SCHEDULE

Time	AM session – “Technologies” PM session – “Use Cases”
1000	Welcome and opening remarks <i>Dr. Maryse Anbar, ENGIE</i>
1000-1015	Mas ² tering: Enabling flexibility management <i>Merixtell Vinyals, CEA</i>
1015-1030	Tech. 1: The Smart Info Home Gateway <i>Ivan Grimaldi, Telecom Italia</i>
1030-1045	Tech. 2: Multi-Agent System Grid Optimization <i>Monjur Mourshed, Cardiff University</i>
1045-1100	Tech. 3: Link Boxes between sub-stations <i>Mario Sisinni, UPL</i>
1115-1130	Tech. 4: Embedding Security Software <i>Sebastien Breton, Cassidian</i>
1130-1200	Panel Discussion #1, Moderated by <i>Ivan Grimaldi, Telecom Italia</i> and <i>Steve McElveen, SMS plc.</i>
Complimentary Networking Lunch	
1330-1400	Use Case 1 – Providing Flexibility (customers) Presented by <i>Ivan Grimaldi, Telecom Italia</i>
1400-1430	Use Case 2 – Managing Flexibility (district) Presented by <i>Maryse Anbar, ENGIE</i>
1430-1500	Use Case 3 – Impact potential of Flexibility (grid) Presented by <i>Mario Sisinni, SMS plc.</i>
1500-1600	Panel Discussion #2: Use Case Validation Moderated by <i>Kurt Reynders, Laborelec</i>
1600	Closing remarks – <i>Dr. Maryse Anbar, ENGIE</i>



Public Workshop #2 “Smart Grid Technologies and Use Cases”

September 11th, 2015
Brussels, Belgium

Multi-Agent Systems and Secured coupling of Telecom and Energy GRIDs for Next Generation smart grid services

Project Coordinator

Merixtell Vinyals, CEA
Phone: +33 (0)1 69 08 14 70
info@mas2tering.eu

Project co-funded by the European Commission within the 7th Framework Program (Grant Agreement No. 619682)



@MAS2TERING

info@mas2tering.eu

www.mas2tering.eu

MAS²TERING OVERVIEW

The success of the European vision of a low carbon electricity grid that minimises greenhouse gas emissions; and enhances security, quality and reliability of supply depends on how smart infrastructures, combining energy and telecom, are developed and implemented for the wider integration of security-aware distributed energy resources into the increasingly decentralised grid.

MAS²TERING, a 3-year technology-driven and business-focused project, is aimed at developing innovative information and communication technology (ICT) platform for the monitoring and optimal management of low-voltage distribution grids by integrating last mile connectivity solutions with distributed optimisation technologies, while enhancing the security of increased bi-directional communications.

The project also aims at enabling new collaboration opportunities between grid operators and telecom and energy companies, both from technology and business perspectives. The project consortium includes prominent industrial organisations and research institutes from the European energy, telecom and security fields, to leverage the critical dimensions of energy, ICT, security and business.

PARTNERS



CEA
France



Utility Partnership Ltd.
United Kingdom



R2M SOLUTION SRL
Italy



Engie
France



Cassidian Cybersecurity
France



Telecom Italia
Italy



Cardiff University
United Kingdom



Waterford Institute of
Technology
Ireland



Laborelec
Belgium

OBJECTIVES

Bring together industrial experts from utilities, telecoms and DSOs over the course of the project to stimulate new services, practices and business model concepts.

Design and develop an integrated multi-purpose grid management ICT platform of interoperable, standards-compliant software components for smart grid security and communication interfacing.

Investigate the applicability of holonic software architecture for secured and optimal monitoring and management of the grid and enhanced resilience by integrating last advances in distributed control architecture, artificial intelligence, communications, and cyber security.

Select, deploy and evaluate emerging monitoring technologies which allow the development of optimization techniques and flexible grid management practices.

PROJECT DETAILS

- Project Type: **Collaborative project**
- Project start date: **September 2014**
- Duration / Effort: **36 months / 336 PM**
- Call: **FP7-ICT-2013-11**
- Budget/EC Contribution: **€4.5M/ € 3M**
- Consortium: **9 partners, 5 EU Countries**

