

“Integration of massive photovoltaic generation at low voltage level by using decentralized energy storage, load management and ICT”



NICE GRID
A SMART SOLAR DISTRICT



NICE GRID CONSORTIUM



OCOVA AlpMedNet FORUM
GENOVA / GÊNES
VILLA CAMBIASO
5-6 GIUGNO/JUIN 2014

- **Leaders**



- **Participants**



- **Academics, R&D**



- **Sponsors , Local Authorities**



A pilot project testing the whole Smart Grid concept

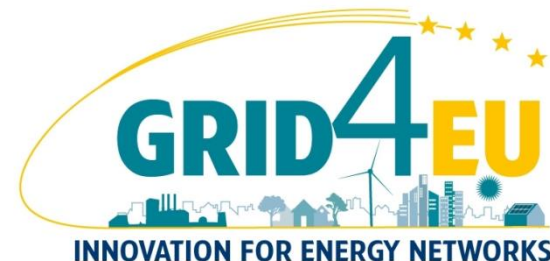


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- ❑ Optimization in the operation of a MV/LV network with **massive integration of solar PV generation**
- ❑ **Proactive customers** with regard to their consumption & generation of electricity
- ❑ Implementation of **storage units** all along the distribution grid
- ❑ Innovative services and **business models**
- ❑ **Islanding** of a micro-grid



- ✂ Deployment of **2,500 LINKY** smart meters
- ✂ Part of Grid4EU project
- ✂ Budget: € 30 million
- Duration: 4 years



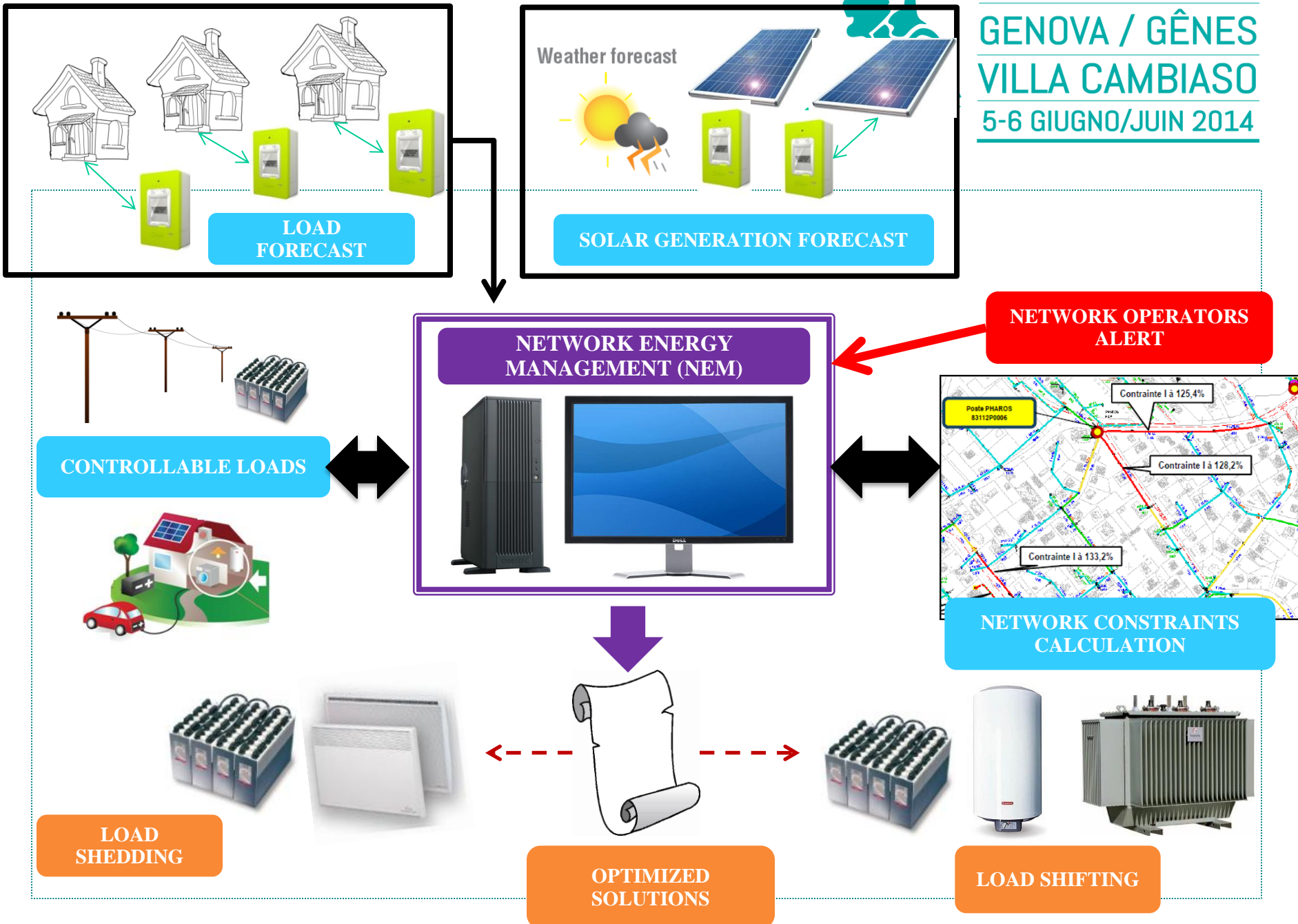
NICE GRID Overall Architecture

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ERDF vision for future MV/LV networks



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