

ENCOURAGE

269354

Embedded iNtelligent COntrols for bUildings with Renewable generAtion and storaGE



PROJECT DESCRIPTION

The ENCOURAGE project aims to develop embedded intelligence and integration technologies that will directly optimize energy use in buildings and enable active participation in the future smart grid environment.

RELEVANCE TO CALL

Answering the Call 2010, ENCOURAGE contributes to improved energy efficiency in buildings as well as improved comfort and security. A platform reference architecture for an intelligent building gateway will be developed.

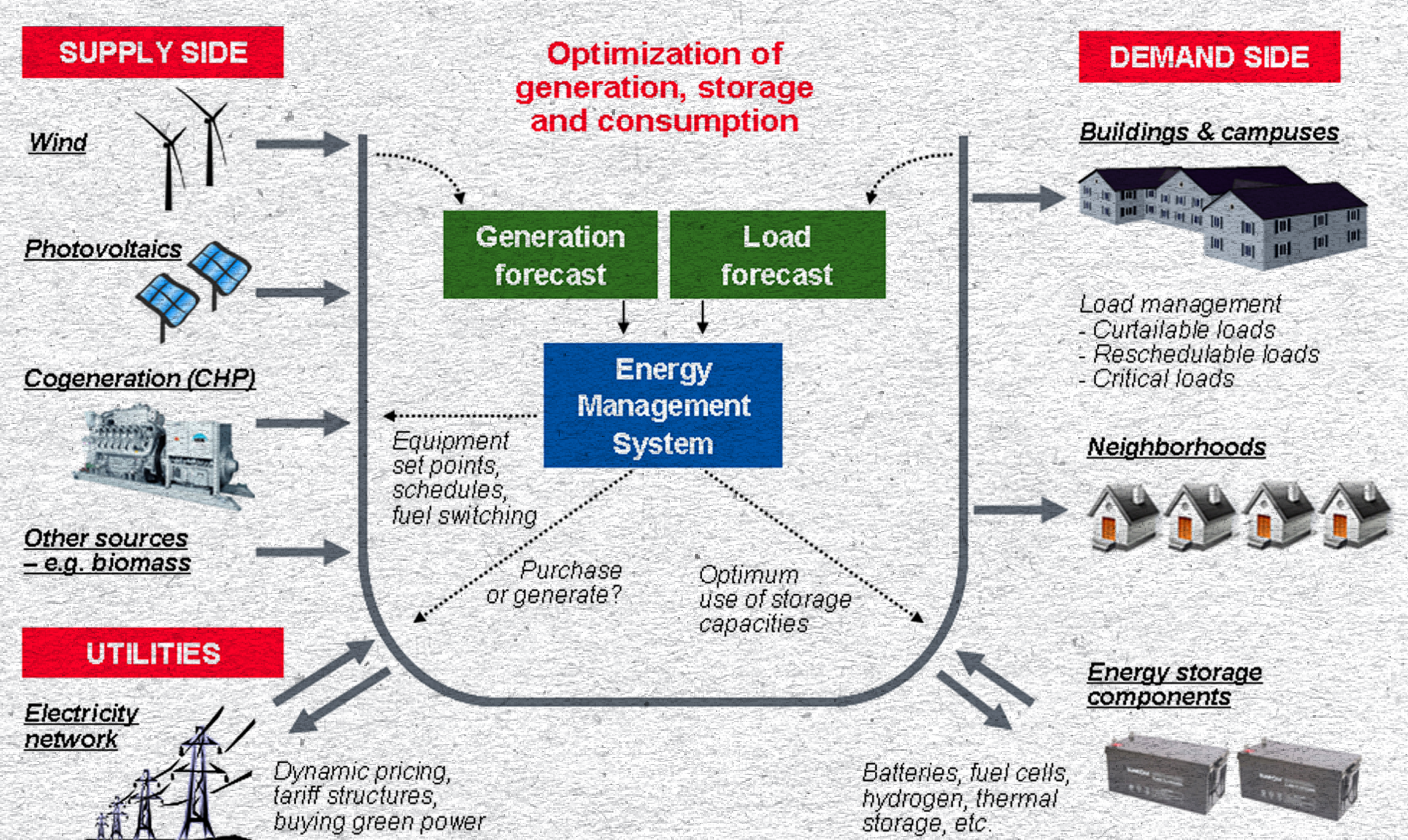
MARKET INNOVATION

Results from the ENCOURAGE project will enable innovative products and services within building automation, energy storage devices, dynamic energy pricing and energy metering.

TECHNICAL INNOVATION

ENCOURAGE develops

- New supervisory control strategies that will be able to coordinate larger subsystems (HVAC, lighting, renewable energy generation, thermal storage, etc) and orchestrate operation of the numerous devices in such systems.
- An intelligent gateway with embedded logic supporting inter-building energy exchange.
- Novel virtual sub-metering technologies and event-based middleware applications that will support advanced monitoring and diagnostics concepts.



PROJECT COORDINATOR

Arne Skou

INSTITUTION

Aalborg University

EMAIL

ask@cs.aau.dk

WEBSITE

<http://encourage-project.eu>

START

June 2011

DURATION

36 months

TOTAL INVESTMENT

6.3 M EUR

PARTICIPATING ORGANISATIONS

11

NUMBER OF COUNTRIES

5



ENCOURAGE

269354

Project partners



PROJECT COORDINATOR
Arne Skou

EMAIL
ask@cs.aau.dk

START
June 2011

TOTAL INVESTMENT
6.3 M EUR

NUMBER OF COUNTRIES
5

INSTITUTION
Aalborg University

WEBSITE
www.encourage.aau.dk

DURATION
36 months

PARTICIPATING ORGANISATIONS
11

