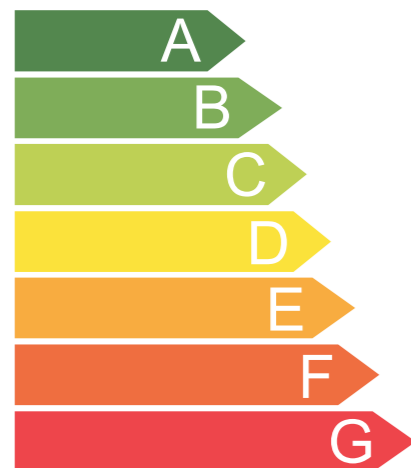


# Building Energy Watcher

## Beywatch





Building Energy Watcher

More efficient



Less efficient

European Project



6.1 
01/12/08
30


Strategic Objective

ICT for environmental management and energy efficiency

Contract number FP7-ICT-2007-2-223888

Start Date  
dd/mm/yyyy

Duration  
in month

Website

Further information is available at [www.beywatch.eu](http://www.beywatch.eu)

A European initiative aiming at **ICT for energy efficiency & targeting**

- **Ultra-low power white-goods**
- **Intelligent control of electrical devices in smart homes & neighbours**
- **Hot water & electricity generation from renewable energy sources**
- **Business plans for all stakeholders**
- **Enhanced consumers awareness towards less CO2 emissions**

A Consortium supported by the European Commission



A map of Europe with various consortium logos overlaid. The logos include: EDF, sigma orionis, Telefonica, FAGOR, GL OPERATING 24/7, gorenje, SYNELIXIS, and Università degli Studi di Palermo. The map is highlighted in green.



# Building Energy Watcher



## Mark Your Calendar!

### 1st Beywatch Workshop

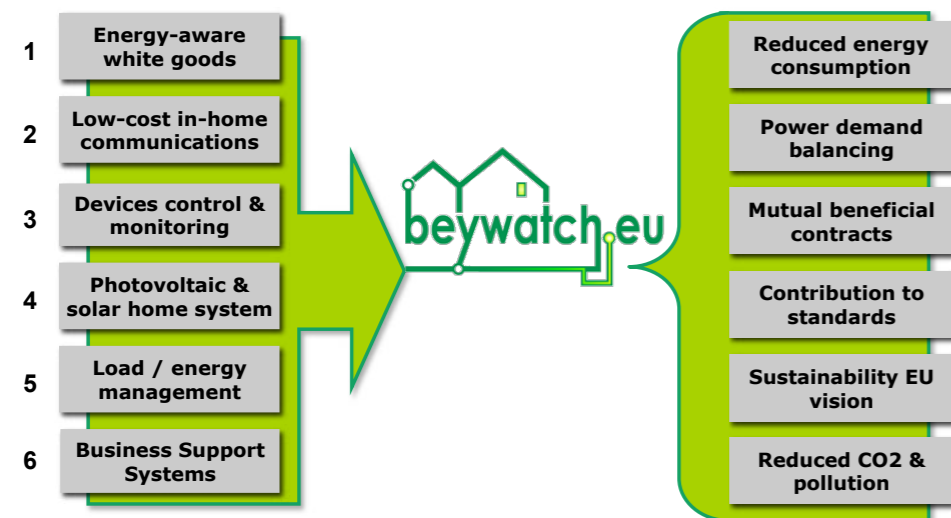
November 16 & 17, 2009 - Nice, France  
within ICT for sustainable homes  
[www.ict-sustainablehomes.org](http://www.ict-sustainablehomes.org)



## BeyWatch Concept & Research Areas

Energy efficiency and monitoring in residential and industrial environments is a key factor to Europe's goals of sustainable development, reduction of energy demand peaks and avoidance of climate change.

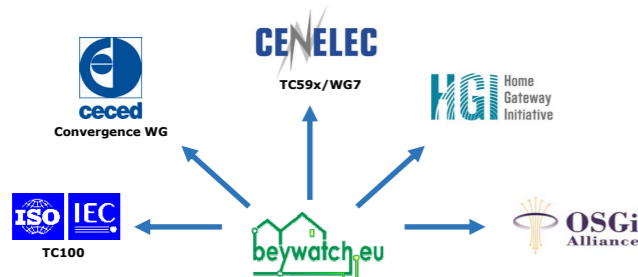
In this purpose, BeyWatch aims to design, develop and evaluate an innovative, energy-aware, flexible and user-centric solution, able to provide interactive energy monitoring, intelligent control and power demand balancing at home and neighbourhood level. BeyWatch solution combines innovation in six areas:



BeyWatch's solution to this problem is based on:

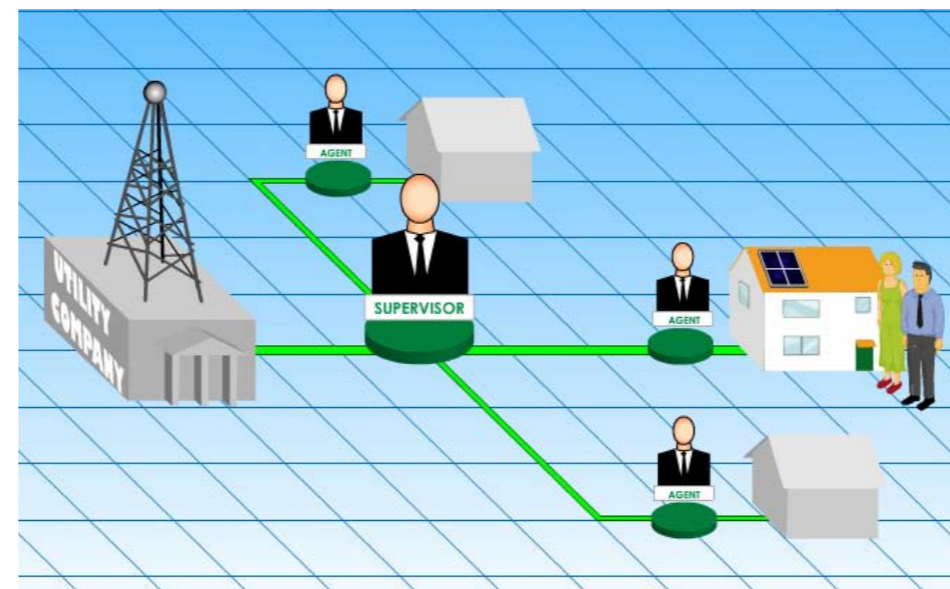
- minimizing home appliances' energy consumption,
- balancing energy distribution,
- thus saving energy & reducing the service cost of the distribution network

BeyWatch plans to contribute in the standardization efforts in the field.



## BeyWatch Architecture

The project implements a distributed appliance control system optimizing appliances' operation and scheduling of events. It is able to act automatically in a single-building level depending on the model of the building embedded in the controller. The system is embedded in a large-scale energy consumption smoothing & power demand planning system, while cooperation with external service centres allows remote programming of the controller.

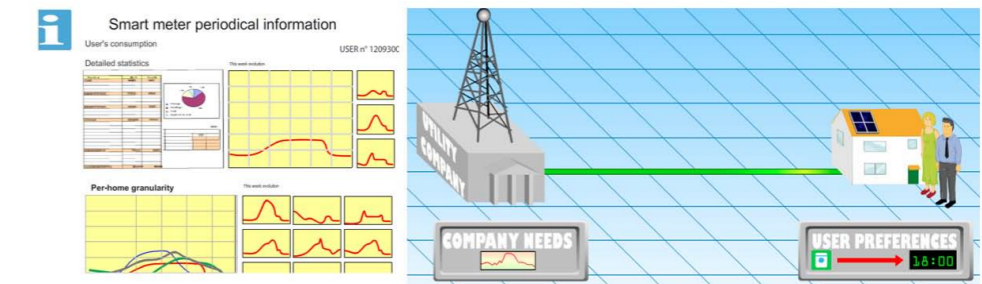


BeyWatch will not implement from scratch its components, but utilises existing products and prototypes as background research & development or experience from the consortium.

## Business benefits for the business

Beywatch elaborates business plans and business support system applications

- Based on cooperation between the users and the utility
- Relying on the use of smart meters
- Benefitting to the users (better rates) and meeting the utility needs (load balancing, energy peaks)



## Business benefits for the end users

- Green energy generation and energy savings
- Better contracts with the utility
- Money savings
- Easy monitoring and control of home appliances
- A greener home!



## MORE...

To learn more about BeyWatch, we recommend you to

- Visit our website at [www.beywatch.eu](http://www.beywatch.eu)
- Join our group on LinkedIn at [www.linkedin.com/groupInvitation?groupId=1587997](http://www.linkedin.com/groupInvitation?groupId=1587997)



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