



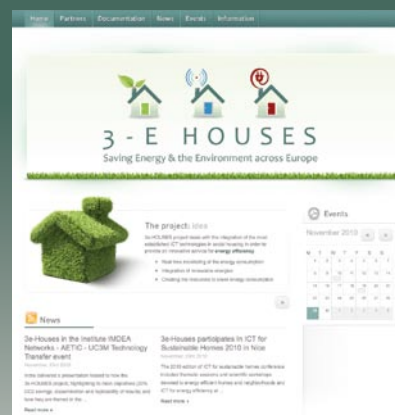
Would you like to know your energy consumption at all times?

Would you like your boiler to only run when necessary?

Would you like the lights to light up as you walk past?

3 - E Houses is a European project to make homes more efficient by installing technologies that allow users to know and control their energy consumption.

Visit www.3ehouses.com to find out all the details of the project that will enable us to take a decisive step towards efficient and sustainable homes.



SAVE ENERGY AND MONEY IN YOUR HOME



3 - E HOUSES
Saving Energy & the Environment across Europe

A european project to build sustainable homes



www.3ehouses.com

What is 3 - E Houses?

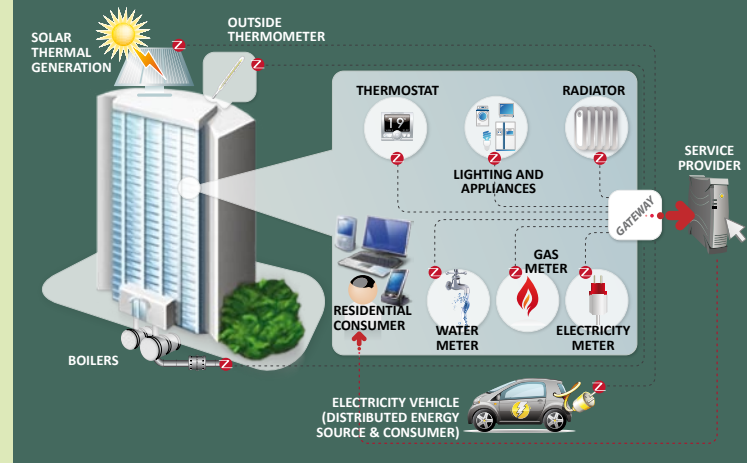
3 - E Houses is a European project that consists of integrating the most common information and communication technologies (ICTs) into the residential sector to allow homes to save energy, shift their consumption from peak to off-peak hours and reduce CO₂ emissions, helping to improve the environment.

By running pilots in a series of social housing units in four European cities, Bristol (United Kingdom), Leipzig (Germany), Sofia (Bulgaria) and Sant Cugat (Barcelona, Spain), it will be possible to study how the new technologies help save energy and shift the demand curve.

3 - E Houses began in 2010 in social houses in Germany and Spain, and it will be replicated in Bulgaria and the United Kingdom in 2012.



Project representative's diagram



How it works

You can't control what you don't know. Therefore, the 3 - E Houses project intends to promote energy-saving by helping users to find out how and how much they consume, by using the most common ICTs applied to energy consumption. It offers:

- ▶ Real-time monitoring and management of energy consumption.
- ▶ Integration of renewable energies.
- ▶ Development of tools for designing and evaluating savings plans.

Thus, an interaction is created between the intelligent devices and the users, allowing the users to increase their knowledge of their energy consumption and therefore change their patterns of energy use.

Information technologies

- ▶ 3 - E Houses helps users to know how and how much they consume, by installing a display in their homes on which they can view all their energy information.
- ▶ They can also find all the information on the website created for the project.

Energy efficiency

- ▶ Energy efficiency messages also appear on the display, which allow users to learn how to reduce their consumption and energy control equipment and actuators are also installed (temperature programmers, presence sensors, etc.).

Sustainability

- ▶ 20% reduction in consumption.
- ▶ Demand management achieving a shift in energy consumption from peak to off-peak hours.
- ▶ Integration of renewable energies and new technologies such as electric vehicle.