# Simulation based control for Energy Efficiency operation and maintenance

**Dear reader,**

We are pleased to present you with the 4th edition of the Energy IN TIME newsletter, bringing you the latest news and developments in the project and the field of building energy efficiency. This edition features a review of project progress and collaborations with other European projects, news on our latest project meeting, some of the partners highlights about their work in the project and the participation of the consortium in some of the most relevant European events. We are sending you this newsletter due to your existing connection with the project or one of its partners. If at any time you wish to unsubscribe, please use the link at the bottom of this and every issue.

**Regards, the Energy IN TIME consortium members**


## Energy In Time participated In The 2nd Congress for Intelligent Buildings

The Energy In Time consortium was present at the Madrid 2nd Congress for Intelligent Buildings, that took place last October. Belén Gómez, the project coordinator, was the person in charge of presenting in front of the audience some of the technological breakthroughs related to the project. The congress is the main event that is organised on a national level to discuss the different aspects that defines from a multidisciplinary point of view the Intelligent Buildings in Spain.

The Congress was held in the Hall of the Escuela Técnica Superior de Ingenieros Industriales de Madrid, Universidad Politécnica de Madrid, and, in the entrance of the hall, assistants were able to visit the meeting points of the sponsors.

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# Fifth Energy In Time Steering Committee

In April 19th and April 20th will take place the fifth Energy In Time Project Steering Committee, within the incomparable setting that the Levi Panorama hotel, located in Finnish Lapland, can provide.

It is a time to bring together the main findings of each work package, present the achievements of these months of hard work, resolve any trouble that may have arisen and prepare the main lines of action of the project, when it begins to face its final phase.

Once the exploitation results have been already defined, it is time to go shaping the various products and technologies that will be part of the comprehensive solution that Energy In Time will be made up of once it finish its 4 years run.

The Levi Panorama hotel is one of the "demo sites" developed by the project for implementing and testing the technical developments of the EIT initiative. Thus, the different project partners can check in situ the evolution of these developments and as they begin to change the energy efficiency of the hotel.

Read more.

# Energy In Time partners provide some insights on their work on the project so far

Some of the energy In time partners provided a summary of the work they have done for the project so far, and what they expect to have completed by the end of 2016.

In 2015 Icpe was actively involved in all task and work packages that require the intervention of the demo owner. Starting with the pilot’s characterization, system architecture, building reference model, data acquisition and definition of the BIM model.

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The University Of Lorraine developed a Benchmark Simulator incorporating occupant zones (Rooms/zones) and Air Handling Units (AHU. The simulator was developed in MATLAB SIMULINK with the help of the SIMBAD toolbox. This simulator was used to illustrate the Fault Detection and Fault Adaptation strategies developed.

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Caverion's year 2015 in the Energy in Time project was versatile. From the work package 4, the task 4.1 Continuous commissioning methodology began to be on finish line. As a task leader Caverion was pleased to see good progress on that task. The final deliverable 4.4 was returned on summer. Major work load was put also to energy audits of the Sanomatalo and Levi in the task 7.1 which were finalized during summer.

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CSTB and ACCIONA have produced a BIM of the main terminal building of Faro Airport. This building is one of the four study cases retained by Energy In Time project to apply and assess different innovative energy regulation strategies.

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## Energy In Time at EEBERS

On January 28th Energy In Time will be represented at EEBERS ICT clustering workshop by its project leader Belén Gomez and members of the IES team.

The EEBERS European Project analysed 82 research financed projects and clustered their current technology developments to find common solutions and share thoughts and highlight in search for a common beneficial space of collaboration. They are now looking for experts that would like to support the assessment of these innovations regarding their future relevance and performance. The main focus will be the technological maturity and market relevance of the different technologies currently being developed by all the projects that are integrated into the clustering group.

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