

NEWS

CASCADE – ICT for Energy Efficient Airports

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First project year

Cascade has now successfully passed its first project year. All objectives have been reached. Thanks for all who have contributed!

Web site

CASCADE website is constantly being updated. In the public part, some new pages were created with information about the energy systems of our pilot airports Fiumicino and Malpensa.

CASCADE press release

Fraunhofer ISE, with assistance of PSE, launched a press release in October 2012. It was published in German and English on the Fraunhofer ISE web site and appeared in various online publication sites, one of them *International airport review*. Nicolas Réhault was interviewed by reporters of the *Sueddeutsche Zeitung* for an article which will appear in the *Lux* magazine.

EuroNews TV

EuroNews has selected CASCADE to produce a TV documentary of the project for the *futuris* series. CASCADE agreed with the producers to conduct the production in the second project year.

Project brochure

A new version of the project brochure was produced in a new layout including the latest scheme for methodology of the CASCADE integrated solution. It is available in print and can be downloaded on our website.

Work progress

During the last six months, an intensive survey of the airport pilot energy operation and systems was carried out by the CASCADE consortium. Thus, specific parts and energy systems of the airports could be selected for the implementation of the solution. The data acquisition and transfer systems have been designed for both airports so that the installation works for additional sensors and meters can be carried out from the beginning of January until May 2013.

Works were carried out between the partners to establish a linkage between the different tools (Fault Detection and Diagnosis, Energy Action Plan, Ontology layer) to put the whole capacity of each tool to the disposition of the CASCADE solution. The architecture will be implemented and tested on both airport sites in 2013.

In Spring 2012, an online survey on energy management and systems at European airports has been conducted. The analysis of the answers of 14 airports accounting for about 13% of the passenger traffic in Europe has shown that airports are moving towards higher energy efficiency and are wishing to integrate renewable energy systems at a larger scale.

The analysis showed also that efforts have still to be done to better manage energy at airports and that innovative ICT solutions are needed to support energy managers in their daily planning, operation and maintenance tasks. More information are available at: www.cascade-eu.org/publications

The consortium has completed the following deliverables in 2012:

D2.1 CASCADE Methodology for Energy Efficient Airports

D2.2 Validation plan

D3.1 Systematic approach for developing measurement based facility-specific operational guidelines