

WHAT'S HAPPENING:

- EPC+ projects progress
- Participation in the ECEEE, Berlin
- PocketWatt, the new App
- 80 millions smart meters in the EU
- Technical management training

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EPC+ Projects

The companies of the clusters created in the European EPC+ project, Energy Performance Contracting Plus, are developing studies and projects which main objective is to improve the energy efficiency and achieving thermal and electric energy savings.

16 clusters in 12 countries have been created and they are developing 29 pilot projects:

- Textile Industry.
- Automotive industry.
- Ships construction.
- Meteorological company
- Elderly residency.
- Residential building.
- Students hall.
- Shopping centres.
- Zoological garden.

The companies participating in Spain are:

Atmósfera Cúbica, Aura Solar, Calordom, Comeval, eBuilding, Escan, Ingenera and iON Smart Energy.



Replacement of acclimatisation system Seville, Spain.

As a sample, the following works can be highlighted:

- Project in a students hall in Seville with the replacement of the air conditioning system

and the sanitary hot water has been carried out.

- Project of an office building in Madrid.

Apart from the pilot projects, in this second semester of the year, the following activities have been carried out:

Organization of ten training workshops with the elaboration of materials and videos for the companies of the clusters;

Creation of several technical tools on efficient lighting, pumps, engines, night cooling, biomass, photovoltaic and solar thermal, etc.

Presentation of the preliminary results in the eleven countries and in several international and European events.

For more information you can consult the project website.

Industrial steam systems in the ECEEE

The new technologies and management models allow the modern industry to incorporate the energy efficiency in their routine of operation, for instance through the implantation of the ISO50001, the knowledge about how to produce changes in the behaviour and culture, the inclusion of non-energy benefits in business models and the achievement of the attention

and commitment of high level managers.

Escan has among its objectives to advice the manufacturer companies on the reduction of the energy costs. Within this strategy, it



Workshop on industrial steam systems in ECEEE

has been organised a workshop supported by the European

Industrial steam systems in the ECEEE (continues)

Council for an Energy Efficient Economy (ECEEE) in Berlin the 13th of September of 2016, intended for energy efficiency policy responsible, companies and steam and energy experts, in order to accelerate the use of new knowledge and experiences and thus, increase the energy efficiency in the industrial companies with a high energy consumption.

In the first part of the session it was discussed how policies can favour the energy Efficiency in the industry.

Barriers and instruments for the reduction of consumption were also presented.

In the second part, Francisco Puente, Director of projects and



The Energy Efficiency as business model

business development of Escan, presented the training and capabilities, so that stakeholders consider the energy efficiency a routine when doing business.

The cultural, organizational and behavioural changes, as well as the non-Energy benefits were also discussed.

The workshop ended with a discussion where the attendees were able to contribute their opinions and final comments.

The energy label with digital tools

Digi-Label is an European project of the Horizon 2020 programme, which started in April of this year.

The energy consulting Escan is the coordinator of the activities in Spain.

In September it was organised the first workshop to know and exchange experiences about digital tools which give information about appliances.

The participants were representatives of the Spanish Agency of Consumption, Food Safety and Nutrition (AECOSAN); The National Energy Agency (IDAE); several consumers associations: CECU, ASGECO, FUCI and HISPACOOOP; the National Association of Normalization (AENOR), the National Association of Traders of Appliances (ACEMA), and the National Association of Manufacturers of white appliances (ANFEL).



Workshop in Madrid, September 2016

In October the project was presented at European level in the Digi-Label workshop carried out in Brussels, European Commission Agency, EASME.

It has been developed the Pocket-Watt tool which calculates the running costs, and includes the energy label and the appliances fiche.

It generates a QR code per product which the consumers scans in order to obtain the energy information, in addition it is possible to compare several products.

Escan presented to the Board of Directors of ACEMA (the National Association of Traders of Appliances) the App, which was very well received by its members.



Smart meters and consumers seminar in the European Utility Week 2016 celebrated in Barcelona

The USmartConsumer project (www.usmartconsumer.eu) has developed during 3 years several actions in order to promote the smart metering, enhancing the deployment of energy companies and services to consumers.

During the European Utility Week 2016 (EUW'16) celebrated from the 15th to the 17th of November in Barcelona, the final results of the project and the Deployment in several European countries, very representatives of the market, were presented, accounting more than 300 attendees.

One of the keys to success was the participation of maximum level speakers coming from the four main electric companies of Spain (ENDESA-ENEL, IBERDROLA, GAS NATURAL FENOSA, EDP), The

National Commission on Markets and Competition (CNMC) and European experts from Finland, Germany, the United Kingdom and Italy.

According to the *European Smart Metering Landscape Report 2016*, during this year the massive deploy-

ment of smart metering in Europe has been ratified, with a cumulative amount of 80 million smart meters, constituting a major breakthrough in innovation for our society.



General view of the Hub Session of USmartConsumer final results

Santander, Ribaforada and Cabanillas: Escan assess in public lighting installations with LED

The city of Santander started in 2015 an ambitious project in order to substitute all the public lighting system - almost 23.000 lamps - by LED technology with guaranteed savings contract and PHILIPS technology.



Street lighting with LED in the City of Santander (Spain)

This has allowed to increase in the energy efficiency of the illumination system, adapt the lighting systems to the traffic density and parameters (without compromising the security on the streets) and, in general, improve the life quality of the citizens and visitants.

The city council of Ribaforada recently signed an EPC contract of 14 years with the ESCO Rios Renovables. The contract includes the renovation of the public lighting system, the energy management services, the electricity consumption payments, the preventive maintenance works in accordance with

normative and a total guarantee of the infrastructure.

For its part, the City Council of Cabanillas evaluated several approaches for the acquisition, installation and financing of the road lighting renovation project.

The contract model of energy performance (EPC) was selected as the most appropriate. The selection of the ESCO, preceded by a public tender, fell to Rios Renovables, to offer the best solution for the Municipality and its citizens. The main criteria for the tender were the renovation and improvement of the outdoor lighting installations with maximum energy efficiency and the reduction of the maintenance costs.

**NEWSLETTER N.4.
SEMESTER N° 2 2016**

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Short News

The network of European energy managers meets at the 7th EUREM Conference in the city of Berlin



Margarita Puente de Escan and other European energy managers

More than 200 European energy managers met in October to present energy efficiency and renewable energy projects of industries and buildings.

These meetings serve for the exchange of experiences and identification of new projects between European energy managers.

CEN-CENELEC y ESMIG invite Escan to present the Smart Meters Overview and services based on smart metering.

The Smart Meters Coordination Group, is the joint consultative body of the European standardization organizations

(CEN, CENELEC y ETSI), This conference was celebrated in order to offer a general complete vision of the current normalisation activities for the smart metering.

Other presentations were related with the updates of the European Commission about smart metering activities and expansion of the interoperability in the European member states.

Finally, it took place a discussion of opinions exchange-conclusions of experiences and actions.

Training: COURSES EUREM and STEAM-UP

The last 18th of October it started the **XI Edition of the European Energy Manager Training Course EUREM, European Energy Manager**, on-line modality until June 2017.

14 professionals of the Local Administration and Private Sector are participating, deepening their knowledge of energy efficiency and renewable energies.

The course, exclusive in Spain, brings together the qualities of the energy manager and the energy auditor with the European and national main contents on energy normative, legislation, technologies and management.

New inscriptions to the XII European Energy Manager Course

It includes the contents for Energy Auditor of RD 56/2016!

The XII European Energy Manager Course EUREM will start in October 2017 and will end in June 2018 .

It is developed in online mode with theoretical contents and practical exercises, and also includes examples of real cases.

Highlighted Course:

The last 29th of November it was developed the "First Steam Up Course", in collaboration with the Federation of Food and Beverages, FIAB. The training program focuses on the Energy Efficiency of Industrial Steam Systems and the attendees were 30 professionals from the manufacturing sector, engineering and consultants. The duration of the Course is 12 hours and a new edition will be convened in 2017.

For more information address to the e-mail of Escan with the subject "Steam Course"



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Interested people are invited to send an e-mail to escan@escansa.com

