

## WHAT'S HAPPENING

- **Field of action**
- **European Utility Week 2019**
- **Efficient heating and air conditioning systems based on renewable energy**
- **The EUREM Course begins 2019-2020**

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## Field of action

### We offer experience and guarantees for:

- Optimize energy efficiency in the refrigeration facilities of the food and beverage industry.
- Promote higher quality in energy certification of buildings as a first stage of deep energy rehabilitation.
- Promote the replacement of building air conditioning systems with others based on renewable energy.
- Encourage the creation of specialized offices in the municipalities to unlock the financing of energy efficiency and renewable energy projects.
- Market report on the deployment of smart metering in Europe, regulations and consumer services.
- Boost energy services and the efficient products market. Ecodesign and energy labelling.
- Raise the technical and energy management level, through face-to-face and online training, with industry and building professionals.
- Perform the conceptual design of decentralized smart grids systems and assess electrical energy storage systems.



## European Utility Week 2019

**For the fourth consecutive year, Escan chairs the smart metering table at the European Utility Week 2019, held from November 12 to 14 in Paris. The EUW continues to be the European reference event for energy companies.**

The session dedicated to smart metering has once again been one of the sessions with the largest audience. More than 300 executives and professionals in the sector were able to know the news and trends of smart metering systems in advanced

countries and the objectives for the coming years.

Francisco Puente, Director of Development at Escan energy consultants, presented the current state of smart metering in Europe through the European Smart Metering Map, where you can verify the degree of progress of the regulations, the deployment of meters and services to consumers in EU countries



Escan chairs the Smart Metering session at the EUW 2019 held in Paris

# Optimize the efficiency of cold chains

**Cold systems in the food and beverage sector can be more sustainable.**

The industrial food and beverage sector is the largest manufacturing sector in the EU in terms of employment and added value, has a significant trade surplus and EU food specialties are highly appreciated abroad.

Through a meeting of associations, universities and companies developed in Brussels, the bases have been established to facilitate the adoption of energy efficiency measures in the logistics chains of the sector. It is about generating solutions to reduce energy consumption and emissions of pollutant gases by also offering training to industrialists, engineering, suppliers

and all those professionals involved in this sector.

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In Spain the actions will be developed jointly by the Federation of Food and Beverage Industries (member of SPES), which has extensive experience in sustainable projects and Escan energy consultants, offering technical assistance in energy analysis and promotion of projects in the facilities Industrial.



Meeting of European representatives of the food and beverage sector in September 2019

# Certification and energy rehabilitation of buildings

**Promote quality in the energy certification of buildings as the first stage of a deep energy rehabilitation .**

A “national dialogue” with the institutions and related actors is necessary to specify the contributions that the project can offer at the level of each participating country and then prepare a “road map towards convergence”, based on the successful elements recorded in the set of Member States.

With the contributions received and the initiatives of the project, strategies will be established for the next generation of certificates, as well as a set of recommendations for consideration in the technical and regulatory field.

The recommendations for the rehabilitation of buildings will be consistent with the in-depth energy renovation, with a tendency towards “almost zero energy consumption” buildings.

Escan has initiated contacts with the Ministries, Energy Agencies, Professional and Consumer Associations, Construction Platform, etc. to offer a vision of the current situation of the Certification and its strengths and weaknesses.

On January 29 of next year the first Workshop of the project in Spain will be held in which the weak and strong



points of the energy certification of buildings will be discussed. During it, the necessary technical improvements or possible changes in organizational aspects, such as visiting the building, will be assessed, among others.



Project kick off meeting, October 2019

## Efficient heating and air conditioning systems based on renewable energy

**With more than 80 million inefficient and obsolete heating and cooling (HC) systems installed in Europe, the need to motivate consumers to replace these units with more efficient and ecological alternatives has been detected, favoring decarbonization through the use of renewable energy.**

The need to improve coordination between the main regional organizations has been detected to replace obsolete and inefficient equipment through action plans with improvements in policies and market actions.

A decisive factor is to integrate the knowledge and interests of key organizations, such as regional and local governments, consumer associations, developers, service companies, energy companies and professional associations.

Through a series of joint actions and achieving the necessary agreements

between the parties, the replacement campaigns, RENOVE type, will be properly designed, motivating the whole society to replace obsolete systems with effi-

cient equipment, heating networks and / or cold and other viable alternatives.



Ricardo González and Maria del Puy (EREN), Herbert Tretter (AEA Project Coordinator) and Francisco Puente (Escan)

## EU CITY FACILITY

**Cities will be key to decarbonization and unlocking financing in energy efficiency and renewable projects.**

Cities and regions are leaders for economic, social and environmental transformation. Considering the Energy and Climate Action Plans and the Municipal Action Plans, they have formulated objectives for a sustainable energy transition.

However, the objectives set for 2030 and 2050 are still far from being achieved. One of the main barriers is the weak capacity of public authorities to transform

their strategies and objectives into investment concepts acceptable by financial entities.

To overcome this barrier, a project to support local public entities will be deployed at European level. It consists of a technical and economic support that allows them to catalyze projects that investors can develop in the energy efficiency market.

The partners of the project, of European scope, are: FEDARENE, Climate Alliance, Adelphi and Enviros.

Escan consultants will assume in Spain the advice to the



municipalities, to incorporate offices for the promotion of sustainable projects, including the requests for financial support from the fund created by the City Facility, which will offer lost funding for the creation of the offices.

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## Brief News

- ◇ A national power company awards Escan consulting work on Smart Grids design
- ◇ Escan joins the Spanish construction Technology Platform, PTEC
- ◇ EUSEW, June 2019. Margarita Puente was present at the conference
- ◇ Escan advises on the redesign of an ACS installation with microgeneration in hotel\*\*\*
- ◇ Industrial SMEs request Escan self-consumption photovoltaic facilities.



## Training: Beginning of the EUREM.next course

**EUREM<sup>®</sup> Course. October 2019—March 2020**

The inauguration of the Course was held on October 2, at the Higher Technical School of Mining and Energy Engineers of Madrid, with the presence of the Director of the School, Mr. José Luis Parra Alfaro, who encouraged the participants so that with their effort and dedication obtain the European Energy Manager Certificate.

The Course is carried out in face-to-face mode and has a state-of-the-art web platform with technical documentation and practical exercises, cases to solve and blog for the exchange of experiences.

In addition to the standard modules of the EUREM program, topics related to the development of electricity and gas business and HVAC, financing for efficiency and renewable projects are included. Online information is also

provided on EN-16247 and ISO 50002, Sustainable energy in transport, Corporate energy culture, Industry 4.0 and Tool for process audits.

The participants come from companies such as Clece, Isover Iberia, Eulen, Segipsa, the Polytechnic University of Madrid and the Regional Government.

The Course is organized by Escan and the teaching group comes from Universities and Companies of recognized prestige:

Polytechnic University of Madrid; Univ. of Alcalá; IDAE; Shell Spain; Iberian Wolf; Carrier; Clece; Etap Lighting; Kaeser; Siemens; Cohispania; Compte; Girod Geothermal; Grundfos; Endesa and Escan.



Students during the thermography workshop, december 2019

“This Course is an exemplary case of EC support for concrete results”

