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## Editorial

Dear reader,

While many stakeholders are waiting for the announced Energy Efficiency Package from the European Commission, the progress in improving the energy performance of our buildings is documented in projects such as [ZEBRA2020](#), [EPISCOPE](#) or [COHERENO](#) which analyse both the European nearly Zero-Energy Buildings market and the renovation market.

Concepts to transform large-scale shopping centers into high-efficiency outlets will be presented in a Brussels workshop focusing on the [CommONEnergy project](#).

Though there are many good news in buildings efficiency, we know that the regulatory framework requires constant development. BPIE, in partnership with EnEffect, is supporting national governments and developed a [long-term roadmap to renovate multi-family buildings in Bulgaria](#).

In June, BPIE will propose [financing models for Poland which will be discussed with stakeholders in a workshop in Warsaw](#).

And the future opportunities and challenges for the building sector are summarized in our Briefing about "[Buildings as micro energy-hubs](#)", a topic we will also discuss during our [EUSEW event](#) on June 15.

Best regards,

Oliver Rapf, Executive Director

## Highlights



### **[Report] Accelerating the renovation of the Bulgarian building stock**

This report sets out a long-term roadmap for the Bulgarian national renovation programme for multi-family buildings.

Following the successful implementation of the programme's first phase, the analysis argues for a shift in focus towards achieving higher energy classes, reducing at the

same time the level of public subsidy in a measured and manageable manner.

The proposed approach, while somewhat unique to the Bulgarian case, may serve as an example for other countries in the region with a similar building stock profile and economic conditions.

[The report is available in English and Bulgarian.](#) Read the [press release](#).

### **[Briefing] Buildings as micro energy-hubs delivering climate solutions**



Buildings increasingly interact with the energy system and have the potential to take up an important role in the power-supply system stability by becoming micro energy hubs which generate energy with renewables, provide storage for electric and thermal energy and deliver demand response. They can help balance the grid with demand management and could play a leading role in transforming the EU energy market, shifting from centralised, fossil-fuel based, national systems towards a decentralised, renewable, interconnected and variable system. This [BPIE Briefing](#) digs into the topic and provides recommendations on how to unlock the transition and mitigate its side effects.

This [briefing](#) is an extended version of the article *nZEB 2.0: interactive players in an evolving energy system*, as published in May in the [REHVA European HVAC Journal Issue 2016-03](#), from page 52.

## News



### **[Article] BPIE, co-author in a chapter of the German Yearbook "Energy efficiency in Buildings 2016"**

The article [Renovation of the German housing stock - an economic evaluation from an investor perspective](#), authored by BPIE, Fraunhofer ISI and TU Wien, determines the economic energy saving potential of buildings under different economic conditions. This article is part of the Yearbook "Energy efficiency in buildings 2016". With more than 30 contributions by renowned authors such as Commissioner Cañete, this yearbook attempts to shed some light on the topic of energy efficiency in buildings with chapters on political strategies and positions, the human factor, the tenant power and more. The 2016 full book is priced and can be purchased on the [editor's website](#).



### **[Report and tool] ZEBRA2020 continues to fill in the data gaps on the transition to nZEBs**

A [new report provides a detailed overview of policy frameworks in 12 EU countries](#) by covering aspects such as: strategies and action plans, building codes, Energy Performance Certificates and more. ZEBRA2020 updated features of its [data tool tracking developments in the building stock](#) as well as displaying information on nZEBs best cases. The tool integrates an indicator that allows

comparison between major renovation levels in selected countries and data on the policy frameworks at Member State level, and is now available in 13 languages.

### **[CommONEnergy] Retrofitting shopping centres: status of works in Spain and latest reports available**



The [status in the 3 demo cases is at different stages](#): 'Mercado del Val' will reopen after nearly a year and a half of works. Comfort was improved for owners and visitors with a multifunctional modular façade including windows to let natural light enter and shutters to regulate it. Geothermal heat pumps meet the demand for heating, cold and hot water, while roof skylights provide natural ventilation. A modern energy management and monitoring system (iBEMS) allows an optimal control of all technologies. On the research side, two reports have recently been made available: one putting the spotlight on [smart coating materials](#) and another one on [energy audits](#), essential to detect savings opportunities.

### **[Reports] EPISCOPE - A tool helpful in tracking renovation processes**



As [Episcope](#) came to an end, key findings have been published in a series of comprehensive reports meant to support the evaluation of renovation practices and target-setting practices. Decision-makers can now consult scenario results for [national](#) and [local](#) cases dealing with the residential building stock. Another [report documents individual approaches of information-collection within the project](#), a foundation for building stock models and scenario calculations. Issues related to the availability and quality of data are discussed, as well as concepts for continuous monitoring.

### **[Factsheet] Qualification and Accreditation Requirements of Building Energy Certifiers - Greek translation**



BPIE's factsheet [Qualification and Accreditation Requirements of Building Energy Certifiers](#), illustrating EU Member States' different approaches to ensuring the reliability of EPC schemes, is now available in Greek thanks to the [Greek Institute of Zero Energy Buildings](#) (INZEB).

### **[Project] EU Heating and Cooling Strategy and the Heat Roadmap Europe project**



After 3 earlier projects that successfully delivered, the fourth edition of [Heat Roadmap Europe](#) was launched in April this year: BPIE joined the project and will share news interesting for our readers in upcoming newsletters. The project is led by the [Sustainable Energy Planning Research Group at Aalborg University](#). The first ever [EU Heating and Cooling Strategy](#) launched earlier this year by the European Commission included many references to previous Heat Roadmap Europe studies in the supporting documents ([Part 1](#) and [Part 2](#)).



## **[Awards] Green Building & City Solutions Awards, sustainable achievements to inspire professionals worldwide**

The [Green Building & City Solutions Awards](#) is an international contest organised by the Construction21 network. Every year, it rewards buildings, solutions, and best eco-districts involved in the fight against climate change. You are a construction professional or urban planning specialist? Enter the contest and publish case studies describing your delivered projects - whether they are buildings or eco-districts. Buildings entering the competition must be delivered before June 26.

## **Focus on... coming events**

### **[BPIE event] Technical requirements and new financing options for renovated buildings: workshop in Poland, June 8**

The report [Financing building energy performance improvement in Poland](#) analysed the energy performance of the Polish building stock and the characteristics of the renovation market, concluding with a series of policy recommendations to achieve deep renovations. Following the launch of the report and the success of the [first workshop](#) held last January, BPIE is planning another [workshop in Warsaw for June 8](#) to get deeper into the topics of financing and technical requirements for building renovation in the country. The workshop will also bring best practice cases which can be adapted to the national context, and increase the propensity of building owners and investors to renovate. [Registration](#).

### **[Energy Day 2016 - event] Smart strategies and policies for sustainable shopping centres: energy efficient and cost-competitive retrofitting solutions, Brussels, June 13**

This [event](#) will dive into the retrofitting of commercial buildings, with a focus on policies and technologies. Spotlight will be put on how to frame policies, integrating the CommONEnergy project results into policy-making with recommendations for new and existing commercial buildings. Shopping centres features in EU28 + Norway will be presented as well as the three demonstration cases lessons-learned and replication potential. The importance of innovation will be highlighted, with a session on technologies improving comfort and reducing energy consumption in shopping centres. From 2pm at BPIE premises - Rue de la science 23, Brussels. [Registration link](#).

## **Three events not to miss in the coming weeks / months**

The **EU Utility Week's** [programme](#) is getting fuller, now including representatives from DG ENER, The Covenant of Mayors, Joule Assets, Enel, Deutsche Bank, Engie and many more. BPIE joins the [Intelligent Buildings Hub](#) with two sessions, *Regulations and the promising role of buildings in transforming the energy market* and *Energy management for intelligent buildings*.

BPIE is also partnering with **IEPPEC 2016** in Amsterdam, June 7-9, the International Energy Policies & Programmes Evaluation Conference. There are several scholarship options, [check out the website](#). BPIE will have two presentations there: *Database tools for policy development - presenting building stock renovation programmes potentials through ESCC*, and *Use of building stock*

*databases in policy development.*

Finally, the **Central and Eastern European Energy Efficiency (C4E) Forum**, in less than a month from now, will take place from June 22 to 25 on the Bulgarian Black Sea coast. The [first forum on the energy efficiency of buildings in Central and Eastern Europe](#) will combine practical sessions, creative workshops, evening plenaries with high-level speakers and plenty of informal networking opportunities.

**In addition to the events announced above, BPIE will participate to the following events in the coming months:**

- June 2 - [Association of Romanian Installation Engineers Annual Conference](#), Bucharest (Romania)
- June 15, EUSEW 2016 - [Smart consumers and smart buildings: the active role of buildings in a transforming energy system](#) - NB: this event is fully booked.
- July 5 - QualicHeck Webinar: [Databases of energy performance certificates: structure, content, operation - making use of EPC databases for quality control](#)
- July 7 - [Ending Energy Poverty in Europe: Towards an Inclusive Energy Union symposium](#), Brussels (Belgium)
- August 21-26 - [2016 ACEEE Summer Study on Energy Efficiency in Buildings](#), Pacific Grove (California)
- October 13-15 - SBE2016 Istanbul - [Smart Metropolises - Integrated Solutions for Sustainable and Smart Buildings & Cities](#), Istanbul (Turkey)
- October 19-21 - [The European Federation of Building Societies \(EFBS\) XVIII European Congress](#), Budapest (Hungary)

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