

Welcome to the 6th edition of the BRICKER newsletter

This year 2017 will see the **consolidation of the demo site works** as our energy-saving project for public buildings approaches the last major section of its duration. In Turkey, **the solar field is under development** and the impressive 75-ton capacity adsorption chiller from India is in place. At the same time, the demo site in Liège, Belgium, has been progressing well and **the focus is now turning to the monitoring stage**.

In this edition, we report on our endeavours since summer last year, including the consortium's visit to the Liège demo site, and we shine the spotlight on our partners TecNALIA, Steinbeis and youris.com. Remember you can sign up [here](#) to our website to follow BRICKER both in words and pictures. Our project website features a specific section displaying images of the interventions at the [Belgian](#) and [Turkish](#) demo sites. And do not forget you can follow [BRICKER on LinkedIn](#) too.

Best wishes,
Juan Ramón de las Cuevas
Project co-ordinator

News and interviews

Efficient exploitation of energy efficiency research

Carrying out research is all well and good, but what happens to the knowledge once the project has finished?

Many research projects have exploitation plans where they consider in advance how to use research findings, either to get a product onto the market or to define how to share the new knowledge.



The green light for green buildings: retrofitting Europe



Retrofitting public buildings is crucial to meeting Europe's energy efficiency goals. But can new knowledge in retrofitting be replicated across the EU?

The move to energy efficient buildings is on. EU directives are requiring that 3% of public buildings be renovated every year and that public buildings be almost energy zero by 2018.

[The BRICKER active system installation kicks-off in Liège!](#)

Since September 2016, the renovation works at the Province of Liège School of Engineering have been progressing, and now as we move towards the New Year, a new phase has just begun.

This innovative system consists of a 1.5MW biomass boiler, powering an ORC-based cogeneration unit able to produce up to 150kW electric and 450kW thermal power for building heating and electrical needs. The greatest innovation provided by BRICKER is the cogeneration unit itself.



[BRICKER at Spain's Construction Technology Platform conference](#)



The Spanish Construction Technology Platform (PTEC) held its annual conference in Seville in mid-November last year.

As a major gathering of Spain's building and tech players, the event was the ideal opportunity for BRICKER coordinator Juan de las Cuevas to join the poster exhibition alongside 30 R&I projects in order to showcase the BRICKER system. Some 140 delegates attended the PTEC conference which, this year, focused on innovation in construction processes.

[BRICKER consortium heads to Liège demo site in surprise visit](#)

BRICKER partners were in for a surprise when they convened in Brussels recently for the project's second review by EC officials.

The demo site team from Liège had secretly set their own agenda, seizing the opportunity to whisk the partners off for a few hours to visit their demo site at the Haute Ecole in Liège.



[BRICKER goes border hopping at the conference "Rethinking Energy in the Meuse-Rhine Euroregion"](#)



Some 100 delegates and speakers met in the Meuse Rhine Euroregion (in local languages) on 7 September to look at how the partner regions could use their research and innovation capabilities to address the structural and energy challenges ahead.

News from the Demo Sites

[BRICKER's Turkish demo team on stage at international conferences](#)



Spreading the word could well sum up the BRICKER activities of Özyeğin University's Centre for Energy, Environment and Economy (CEEE) during the last few months of 2016.

The CEEE is one of BRICKER's RTD partners and it is in charge of coordinating the project's Turkish demo site.

[Aydın: Work in progress and Adsorption chiller on its way](#)

In Aydın, works for the insulation, façades and the solar field are progressing.

For the latter, four lines out of the planned ten have been installed by using a theodolite device. At one line, the upper sections of the foundations have been installed for concrete pouring.



[Interventions nearing completion at Liège demo site](#)



Since autumn last year, the works at the demo site in Liège have been gaining momentum.

Most interventions have been undertaken now and we are entering the final stages before completion.

Retrofit Advisor Corner

[The BRICKER Active System](#)



The Department of Technological Innovation at ACCIONA Construction has installed the first smart thermal insulation system that uses PCM (Phase Change Material) technology. The roof is on the building of the Higher Education Institute of the Province of Liège and has been installed as part of [the European BRICKER project](#).

The goal of the BRICKER project (Energy Reduction in Public Building Stock) is to develop a scalable, adaptable and highly energy-efficient system for refurbishing non-residential public buildings in order to radically reduce energy consumption and greenhouse gas emissions.

BRICKER partners in the spotlight

[Steinbeis-Europa-Zentrum](#)



STEINBEIS-
EUROPA-
ZENTRUM

“In Bricker the team is developing several individual products, such as the solar collectors, that can be marketed by the partners who created them. Moreover, what’s really good about the project is that it can also be marketed as a package, a configurable system for retrofitting buildings or for adapting them to take on active solutions.”

Meike Reimann.

[Tecnalia](#)



*“The big goal of the BRICKER project is to reduce annual energy consumption by 50%, and **the benefits of this go beyond saving money**. We’re not just saving more energy; we’re moving from conventional electricity and fossil fuels to much greener sources.”*

Pablo de Agustín.

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Mario Martinoli

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Meet us at events

[RANK goes to Hannover Messe – Integrated Energy Systems and Mobility Fair](#)



Specialists in generating power from low energy sources, RANK will be attending Hannover's international trade fair for integrated energy systems and mobility due to take place between 24-28 April 2017. This event will cover generation, storage, smart distribution and digital energy management among other themes.



Hannover, Germany | 24-28 April 2017

[REBUILD 2017](#)



BRICKER partners EURAC and FBK will be attending this annual international convention aimed at presenting the best case studies in innovative construction. Held in the northern Italy, REBUILD focuses on business cases and market opportunities stemming from innovation and industry analysis.



Riva del Garda, Italy | 22-23 June 2017

[Sustainable Places](#)



This year's edition of Sustainable places will offer conference tracks clustered into 6 themes: innovation business models; innovative technologies; data models, semantics, inter-operability and standards; modelling and simulation; monitoring and control; key performance indicators and evaluation frameworks.



Middlesbrough, United Kingdom | 28-29 June 2017

REHABEND – Euro-American Congress



This event will take place next year but abstracts need to be submitted by end of May this year. REHABEND focuses on construction pathology, rehabilitation technology and heritage management. Last year's edition saw over 300 papers presented and 32 countries represented, making the congress a truly international focal point. The 2018 venue will be Cáceres, where one of BRICKER's demo sites is located.



Cáceres, Spain | 15-18 May 2018



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