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January 2021



BUILD UP

Newsletter



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In this issue

- Overview articles
- News
- Practices
- Explore
- Learn
- Events
- Social media

Overview articles

How can BIM help contractors achieve better project outcomes?

General and speciality contractors are buying into BIM because of its potential benefits. Similar to other construction technologies, BIM has gained significant traction. The use of cloud-based software and mobile

Contractors can take advantage of BIM to realize significant benefits.

- Enhanced constructability & mitigated rework
- Better outsourcing & high scalability
- Improved team collaboration to eliminate data silos
- Flexible design in early project stages
- Reduction in duration and cost of construction projects



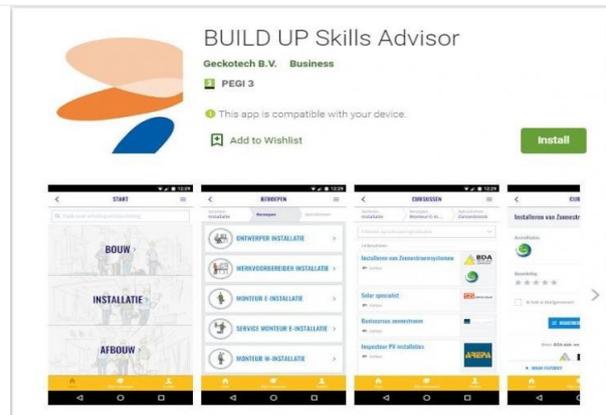
devices has helped contractors to adopt BIM to deliver projects better and faster.

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E-learning for building professionals

The building sector presents a considerable unexploited potential for cost-effective energy savings. Nearly Zero-Energy Building (NZEB) standards have become a mandatory requirement in Europe for new construction from 2020, however increasing the rate, depth, quality and effectiveness of building renovation remains a challenge since the current European average rate of renovation is only 1.2 % per year.

[More](#)



News

Topic of the Month: Digitalisation of the building and construction sector

Every month, BUILD UP highlights publications covering a specific topic. January's Topic of the Month is 'Digitalisation of the building and construction sector'. The website is already available for contributions and BUILD UP's editorial board is



eager to receive your discussion papers, news and articles.

[More](#)

Expert Talks – Dragomir Tzanev, Executive Director of the Center for Energy Efficiency EnEffect

The 11th edition of our Expert Talks hosts Dragomir Tzanev, Executive Director of the Center for Energy Efficiency EnEffect and official representative of the Municipal Energy Efficiency Network EcoEnergy (Bulgaria).

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Expert Talk

Dragomir Tzanev

Executive Director, ENEffect

Official representative of Municipal Energy Efficiency

Network EcoEnergy (Bulgaria)

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Expert Interview – Eugenio Quintieri, Secretary General of the EBC

Eugenio Quintieri has been Secretary General of the European Builders Confederation (EBC) since June 2017. In addition to managing the secretariat, Eugenio represents the EBC on the European social dialogue committee, supervises several legislative fields, including digitalisation of the construction sector, and acts as the EBC's leading spokesperson.

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Expert Interview

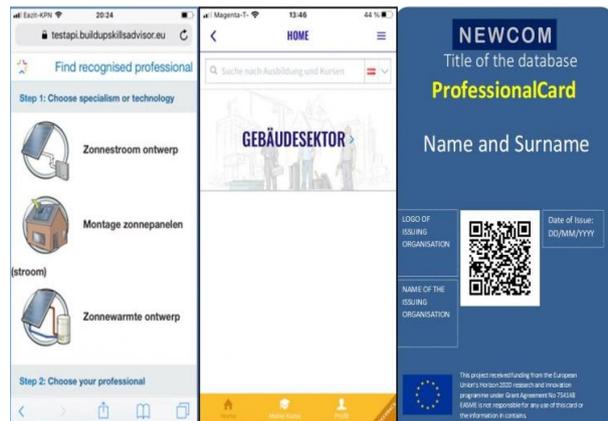
Eugenio Quintieri EBC

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Horizon 2020 project NEWCOM reaches its final stages

On 1 January 2021, the nearly-zero-energy building standard will be implemented in new buildings across EU countries. Thus, the construction sector is facing both the major task of achieving the lowest energy standard in buildings and ongoing changes in the labour market.

[More](#)



Seven H2020 projects partner up to advise EU leaders on preparing buildings for the energy transition

The transition to a forward-looking climate-neutral economy, announced in the European Green Deal, demands an action plan whereby public- and private-sector investments are channelled towards climate-friendly technologies and business models.

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Seven Horizon2020 projects advise EU leaders how to prepare buildings for the energy transition



The above-mentioned projects have received funding from the European Union's Horizon2020 research and innovation programme.

'First line of defence': COVID-19 prompts rethink in role of buildings

From office workers to students, Americans facing colder weather and more time indoors have a pressing question: How can we keep safe amid a pandemic that scientists say thrives in indoor settings? The search for answers has prompted a new look at what architects and their buildings can do to help, both now and in the future.

[More](#)



Practices

Skills Agenda – Towards a job-rich recovery with sustainable buildings

In its recent Renovation Wave, the European Commission outlined its vision for making Europe's current building stock more energy efficient and sustainable by at least doubling the annual energy renovation rate of buildings by 2030.

[More](#)



Updated Framework Guidelines for Energy Efficiency Standards in Buildings –United Nations Economic Commission for Europe (UNECE)

The Joint Task Force on Energy Efficiency Standards in Buildings of the Group of Experts on Energy Efficiency was established in 2015 by the Committee on Sustainable Energy and the Committee on Urban Development, Housing and Land Management for 2016-2017 with the possibility of an extension.

[More](#)



Office building in Couëron

The aim of the main features of the building, designed by Paumier Architectes, is to represent the company's specificities and strengths. It has been constructed around a courtyard to highlight the company's know-how, and adjoining the building's exhibition hall.

[More](#)



Saints Pierre-et-Paul: new complex of 36 passive apartments in an urban setting

Nestled in the heart of a residential neighbourhood in the north of Brussels, the project closes off a fairly diverse square with a parking lot at its centre and faces a large church and an uninteresting housing structure.

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Explore

Constr-HaVi project

The aim of this fellowship is to develop the professional prowess, advanced training, interdisciplinary skills, high-impact dissemination, and practical experience commensurate with a leading independent researcher in the EU. The goal of the project is to investigate the building and engineering techniques used in constructing Hadrian's Villa, in Italy.

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SUBLime project

The EU-funded SUBLime project will develop the most advanced technology in lime-based materials modelling and description for industrial use that will surpass existing solutions in the new construction and conservation sectors.

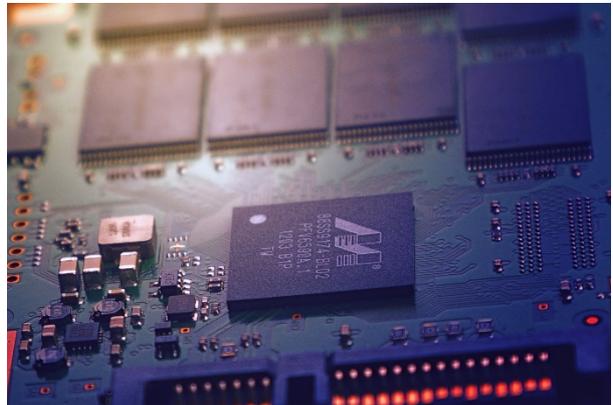
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METABUILDING project

The European construction industry must improve innovation among its SMEs in order to extend its value chain and integrate new dynamic industrial sectors. To achieve critical mass and promote internationalisation, the European Construction Technology Platform (ECTP) has initiated synergy with the ICT, additive manufacturing, nature-based solutions and the industrial recycling sectors.

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procuRE project

procuRE brings together 6 procurers from 6 countries, responsible for over 21 000 public buildings, to invest over €EUR 7 million in research and development to tackle their common challenge of achieving 100 % renewable energy sources (RES) in the existing stock.

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Learn

Webinar | Transforming the existing building stock – a toolkit to make buildings smarter

This webinar provided an overview of HEART technologies and their potential for reducing energy consumption. Participants learnt about the renovation experience of a four-storey building located in Italy and selected as a case study for the installation of the innovative set of solutions developed.

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The poster features a red background with a white and yellow building illustration on the left. The HEART logo is in the top right, followed by 'WEBINAR' in large yellow letters. Below that, the title 'Transforming the existing building stock – A toolkit to make buildings smarter' is written in white. The date and time 'November 30 | 12h00' are also in white. At the bottom, the BUILD UP logo and tagline 'The European Portal For Energy Efficiency in Buildings' are displayed.

Webinar | Introducing the TripleA-reno Combined Labelling Scheme

This webinar presented the Combined Labelling Scheme, one of the project tools specifically conceived for the renovation of dwellings. The scheme can provide clear evidence-based data on energy performance, indoor environmental quality, and well-being indicators.

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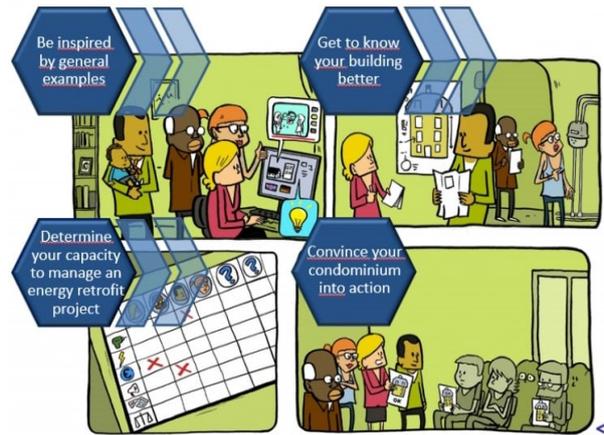


The poster shows a laptop on a desk with a coffee cup. The laptop screen displays a table with columns for 'Energy Performance', 'Indoor Environmental Quality', and 'Well-being'. The text 'Introducing the TripleA-reno Combined Labelling Scheme' is overlaid in large green and black letters. Below it, 'Webinar | 26th November | 12:00 CET' is written in green. The BUILD UP logo and tagline are at the bottom.

Step-by-step tool for energy retrofitting in condominiums

If you are from a public authority, wishing to support co-owners in their endeavour, do not hesitate to spread the guide amongst your city's condominiums. The guide is divided into three big phases: "First steps", "Taking-off" and "The real thing".

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'My Europe 2050' e-learning tool

My Europe in 2050 lets you choose how we will change the European "Machine" in the next decades. How we will move, live, eat and consume, how we will change the agriculture, transport, energy generation, building sector and production systems.

[More](#)



Events

22nd European Energy Transition Conference 2021 – 100 % digital and free of charge

As happens every year, representatives of the public authorities, the economic and academic worlds and civil society will meet up to debate and share their experience of local energy transition around a programme comprising over 100 events – plenary sessions and workshops.

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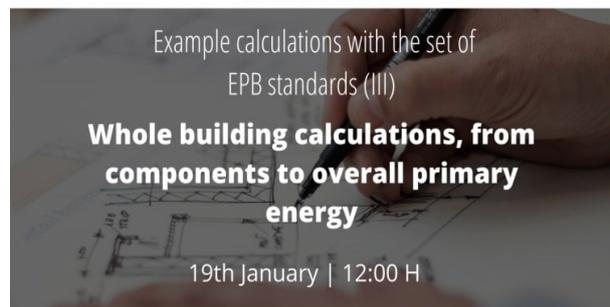


Webinar | Calculations with the set of EPB standards (III) – whole building calculations, from components to overall primary energy

Following the successful first series of six webinars on the Energy Performance of Buildings standards (EN/ISO) supporting the implementation of the EPB Directive, an additional series of four webinars has been scheduled on the set-up and results of a series of example calculations on buildings and systems using the EPB standards.

[More](#)

WEBINAR



 **BUILD UP** The European Portal For Energy Efficiency in Buildings

 **CREHVA** Centre for Research in Energy Efficiency in Buildings



FOR PASIV trade fair for low-energy, passive and zero-energy buildings

The 9th FOR PASIV trade fair for low-energy, passive and zero-energy buildings, an event held under the auspices of the prestigious institutions in the country, will again present leading companies in the passive building sector. The trade fair will be promoted in the media through an exhaustive advertising campaign.

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Energy efficiency policy and regulations – VEF Virtual Series

The Vienna Energy Forum is going online with the launch of the VEF Virtual Series – a series of online consultations to help countries around the world to align their recovery efforts with inclusive and sustainable industrial development.

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Social media



Build Up on Twitter

Welcome to our #BuildUpSkills online event! Our topic today is "Leveraging the skills of building professionals to deliver on the European Green Deal". Follow us here for a live coverage of the different sessions

[More](#)

Build Up on LinkedIn

The Commission has launched 2 public consultations today on the revision of the Renewable Energy Directive and the Energy Efficiency Directive. The objective of these 12 week consultations is to seek a wide range of views on to what extent and how these 2 directives should be revised. This will feed into the preparation of Commission proposals next year.

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About this e-mail

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