

BUILD UP

Newsletter



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Overview articles

DECEMBER'S TOPIC OF THE MONTH: Building envelope and facade technologies for efficient buildings

Every month, BUILD UP highlights publications that are covering a specific topic. The topic of the month for December is 'Building envelope and facade technologies for efficient buildings'. Our Editorial Board is eager to receive your discussion papers, news, and articles now. Become a contributor!

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Overview Article – Fostering the demand for a skilled labour force in the construction industry

The construction industry employs 13 million people across the EU27 and is a major driver of economic development. Unfortunately, it seems to be failing at attracting younger generations. Blerta Vula, BUILD UP's Ambassador, expands on the 5 main reasons for this and gives some key points that the construction sector must address to meet the demand for skilled workers and solve this problem.

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Digital skills for Heritage Conservation

Digitalisation and digital technologies present a great opportunity for Heritage Conservation, particularly regarding our Built Heritage and its sustainable use. This can be for finding the least invasive solution for structural restoration or implementing conservation-compatible and future-proof solutions in energy retrofit of historic buildings. Professionals are needed who can understand and quantify the complex physical processes required with the help of digital tools and will collaborate with their analysis to interdisciplinary dialogue before any conservation-related decision is made. The co-operative M.Sc. on Digital Technologies in Conservation (Digitale Denkmaltechnologien) at the universities of Bamberg and Coburg aim to provide these skills.

[more](#)



Calls are open for the European Sustainable Energy Week 2023

Under the theme "Accelerating the clean energy transition – towards lower bills and greater skills", the European Sustainable Energy Week (EUSEW) 2023 will take place in Brussels and online on 20-22 June 2023. The calls for hosting a policy session and having a stand are now open.

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How do BUILD UP Skills help you to have better-qualified professionals?

Luca Angelino, Project Adviser at the European Climate, Infrastructure and Environment Executive Agency (CINEA) gives some clues about how the European Build Up Skills initiative can help stakeholders through the EU to strengthen the framework for qualification and skills in the construction sector, with the focus on sustainable energy. Check our YouTube channel!

[more](#)



Call for BUILD UP Ambassadors!

Our BUILD UP Ambassadors are the engine that expands the borders of our platform—high-ranking professionals who selflessly share their knowledge with our community and spread our values and mission nationally. Check the requirements to join our ambassador team!

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Expert Talks – Gerald Wagenhofer

Director of the consultancy UBW Unternehmensberatung Wagenhofer GmbH, Gerald Wagenhofer has been dealing for 10 years with EU projects in the area of cultural heritage and talks about the key skills a qualified worker of cultural heritage must have or the main differences across Europe.

[more](#)



The construction skills crisis in Europe and possible solutions

A growing workforce crisis has been affecting the construction industry across Europe. Construction has an image problem which is holding recruitment back when it is most needed. Mike Hayes, editor of the construction industry magazine Construction Europe, looks at possible solutions to the growing workforce crisis.

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EU Roadmap Series: Building regulations in decarbonising the EU's built environment

Building regulations are an important tool for decarbonising the EU building stock and reach neutrality and energy efficiency targets by 2050. Policy efforts should primarily focus on energy efficiency (especially operational carbon of buildings) and measures to decarbonise heating and cooling.

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What is the future of digital construction skills?

Innovative techniques and technologies are more and more present in the construction sector globally. Hence, and according to the Future of Jobs report, there is a need to upskill and train the workforce, and at the same time to solve the issue of innovation and change resistance which is still affecting the construction industry. How should companies overcome these issues?

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Energy advice for consumers and policy interventions to tackle energy poverty

The STEP project's key aim was to advise consumers on energy savings and implementing energy efficient solutions based on their location. The project also organised specific online and on-site training for frontline workers who were responsible for directly raising awareness among households.

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Practices

Speeding up renovation of buildings through investment on skills

Renovate Europe addresses the need to further invest in a skilled workforce in the renovation sector to reach climate neutrality and meet social goals. The main challenges are attracting workers, upskilling those already in the industry, and offering specific training programmes in-line with evolving digital trends.

[more](#)



10 ways to accelerate the EU heat transition

Ten EU Energy organisations urge the European Commission to revise the EU heating & cooling strategy. They highlight that there is an urgent need to accelerate the roll-out of renewable and clean heating technologies in buildings and industry to achieve climate neutrality by 2050 and respond to the energy crisis.

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Construction Skills School (EBBA) in London

This centre for construction skills learning has been delivered by EBBA together with the London Legacy Development Corporation. The school provides the opportunity for local people to be sponsored through practical education and training. The result is an innovative and sustainable solutions and adaptable architecture.

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Efficiency House Plus School Building

The Louise Otto-Peters school in Hockenheim, Germany, was the first educational institution to be granted support under the 'Efficiency House Plus – Educational Buildings' funding programme. The newbuild combines three different school types under one roof (a pre-vocational training programme, a vocational upper secondary school, and a geriatric nurse/educator training programme) which are attended by up to 280 students in total. The school building is conformant with the Efficiency House Plus standard.

[more](#)



NEBULA Project: Connecting Innovation Clusters

The NEBULA projects will build upon the New European Bauhaus Unlocked through Built4People partnership (B4P) endorsed Local Actions.

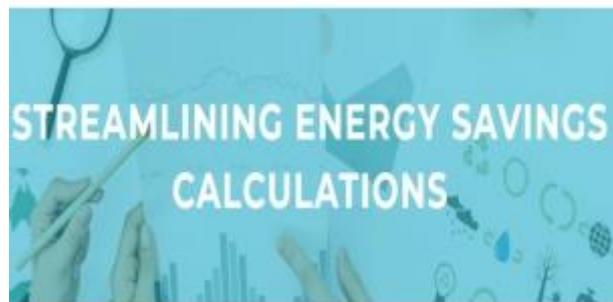
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StreamSAVE Project: Streamlining Energy Savings Calculations

StreamSAVE aims to assist Member States in their efforts to deliver rapidly scalable savings and increase their chances of successfully meeting energy efficiency targets under Articles 3 (it states how each Member State shall set an indicative national energy efficiency target) and 7 (it refers to the energy saving obligations for Member States) of the Energy Efficiency Directive (EED). A series of activities, divided into three categories, will be carried out with the intent of improving energy-saving methodology capacities and skills of stakeholders across Europe.

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EU taxonomy for sustainable activities

The EU taxonomy is a classification system, that establishes a list of environmentally sustainable economic activities. This could play an important role in helping the EU scale up sustainable investment and the implementation of the European green deal.

[more](#)



SuperTandem Project: Cleaning Energy by Innovative Photovoltaic Modules

The SuperTandem project aims to develop sustainable materials and manufacturing processes for the development of high-efficiency, flexible, all-Perovskite Tandem photovoltaic modules with low CO2 footprint.

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Learn

Webinar - Leveraging on standardisation for building data aggregation and analytics

On 8th November, BUILD UP hosted the webinar ‘Leveraging on standardisation for building data aggregation and analytics’, a workshop organised by the BIGG project in collaboration with their sister projects MATRYCS and BUILTHUB.

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Webinar - Renovating Europe's buildings: opportunities for workforce upskilling in cohesion funding

Moderated by Adrian Joyce, Director of the Renovate Europe Campaign, this session focused on the needs of today’s workforce in terms of building renovations and highlighted funding opportunities in the multiannual financial framework (MFF) for 2021-2027 to help regions and cities step up to the challenge.

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BUILD UP Skills Advisor app: an easy tool for professional training

The BUILD UP Skills Advisor app is a free tool for practitioners and skilled workers to look for opportunities for training in Europe and some specific EU countries. It also contains a community managed content repository, and can facilitate the use of micro-credentials for personal recognition and lifelong learning.

[more](#)



Comparing qualification schemes and learning outcomes with the European Skills Registry

The European Skills Registry (ESR) is a web-based platform providing functions for comparing various qualification schemes and learning outcomes and allows the listing of qualified experts in a central experts database which is connected to a match-making hub.

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Events

Smart Skins Lecture Series

Hosted by the Environmental Performance and Design Lab - EPDL, Faculty of Architecture and Town Planning, Technion IIT, this lecture series focuses on recent advancements in building envelopes from a holistic perspective on sustainability - in which energy efficiency, visual comfort, solar control, solar harvesting, well-being, and biophilia are entwined.

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The time for building renovation

The rehabilitation regulations, the Xaloc offices, the figure of the rehabilitation manager and agent, strategies, taxation or innovation and transfer will be some of the topics to be addressed in this Spanish conference on rehabilitation. It will be also possible to follow it online (sessions are in Spanish only).

[more](#)



The Future Envelope - Towards Zero Carbon

This conference aims at providing new points of view on the current state, upcoming challenges, and innovations in the field of building envelope design, manufacturing, installation, operation, and dismantling. The broad scope is to ease the path towards nature-compliant, human-centred comfortable and efficient buildings. It is structured in four thematic chaired sessions with keynote speakers, merging international and South-Tirol perspectives!

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BAU - World's Leading Trade Fair for Architecture, Materials and Systems

The BAU, the World's Leading Trade Fair for Architecture, Materials and Systems, takes place every two years. Everyone involved in the international community for planning, building and designing buildings comes together here, including architects, planners, investors, representatives of the industrial and commercial sectors, the building trades, etc.

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Social media



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@BUILDUP_EU
The European Platform for Energy Efficiency in Buildings (EU) #EUEE #EUEE #EUEE
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