

The BUILD UP Newsletter

January 2024



BUILD UP

The European portal for energy efficiency
and renewable energy in buildings

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Welcome 2024!

This will be a crucial year for policy-makers and civil servants involved in the transposition and implementation of the new Energy Performance of Buildings Directive as well as for all building professionals in the field. The new directive will soon be adopted and published. It will set more ambitious energy performance requirements for new and renovated buildings and push towards renovating the EU building stock. With targets set for all new buildings to be zero-emission by 2030 and the entire building stock by 2050, BUILD UP will be supporting stakeholders and industry participants in reaching these ambitious goals, not only by gathering all the latest information and trends but also by bringing the most pertinent voices that can guide our community in progressing in the right direction.

Special Interview

Paula Pinho – Director, DG Energy, European Commission

With the European Year of Skills coming to an end, BUILD UP engages in a conversation with Paula Pinho, Director in DG Energy, who focussed on the crucial need for upskilling professionals in the building sector to achieve the energy and climate goals, and described the ways the EU is actively supporting Member States to that end.

[more](#)



Topic of the Month: Heat pump solutions for buildings

Become a contributor!

New exciting topics will arrive this 2024, opening with our first Topic of the Month: 'Heat pump solutions for buildings'. Explore our overview article below, and if you have any relevant content, including articles, news, case studies, publications, webinars, etc., then get in touch now! We will help promote your content and you will become a valuable member of our contributor community.

[more](#)



Decarbonisation of buildings' heating system with heat pump technologies: an overview of EU policies and projects

As the European Union strives to improve energy efficiency and reduce carbon emissions, heat pumps have emerged as key players in revolutionising our buildings. These technologies leverage renewable energy sources, offering a cleaner and more sustainable alternative to traditional heating systems. This article provides an overview of EU policies, financial instruments, and EU-funded projects to facilitate the adoption of heat pumps in buildings and to overcome the current barriers.

[more](#)

Smart homes and smart buildings: changing the way we live

In this newsletter you can find, amongst many other items, the latest and most relevant content on December's Topic of the Month, 'Smart homes and smart buildings: changing the way we live', especially curated by our editorial team to keep you up to date.

Articles

Overview Article – Smart buildings and smart technologies in Europe: state of play and perspectives

How is the EU specifically shaping the future of buildings and the way we interact with them? How can we make our buildings more intelligent and responsive to the environment? This article provides an overview of the state of play and perspectives of digital, smart buildings and technologies in the EU context.



[more](#)

Technical article – SmartUp Project: Preliminary lessons and provocations for design, operation and policy making of smart homes

This article explores preliminary findings on what happens to homes when they become smarter, considering how going digital affects the ways in which homes are imagined, planned, designed, and experienced on an everyday basis, provoking decision-makers to think widely about the contexts and consequences of their actions when implementing smart technologies to improve building performance.



[more](#)

News

Expert Talk – Paris Fokaides



Associated Professor at Frederick University, Fokaides delves into how the Smart Readiness Indicator (SRI) has been utilised to improve energy efficiency and sustainability of buildings, and about the priorities for further development of the SRI.

[more](#)

Building conversations up with... María Fernández Boneta



Senior Energy Efficiency Engineer at CENER (the National Renewable Energy Centre of Spain), BUILD UP talks with Fernández Boneta about the purpose of the SRI and how it assesses the integration of various smart technologies within a building.

[more](#)

Building conversations up with... Pablo Carnero Melero



'When it comes to decarbonisation and smartness in buildings, the whole is more than the sum of the parts'. Carnero Melero, Technical and EU Project Officer in REHVA, delves into the role of smart buildings in decarbonising the EU building stock.

[more](#)

The potential of Artificial Intelligence (AI) to improve energy efficiency



The application of AI to heating and ventilation technology offers a solution to sources of energy inefficiencies in buildings.

[more](#)

Demand-controlled ventilation and smart technologies for efficient buildings



Approximately 80% of commercial buildings operate at a Class C energy efficiency level due to outdated construction regulations. How can we improve this?

[more](#)

2023 in... Key contents on BUILD UP in the past year



Last year has been very relevant and fruitful in terms of content and contributions from our community. Check out some of the most relevant articles, interesting webinars and conversations and interviews with the best experts!

[more](#)

Resources & Tools

Case – Passive low-tech office building in Weitnau, Germany

The main aim was to expand the office building by four high-quality workplaces and work further to become a climate-neutral company.

[more](#)



Tool - SRI Observatory to know more about SRI implementation in the EU

The Smart Square project has developed an online tool to learn more about SRI implementation in the EU.

[more](#)



Webinar – New training materials and methodologies for up-skilling in circular economy in construction for training centres

BUILD UP hosted the final webinar of the BUS-GoCircular project outcomes, which was specially designed for training centre managers and educational professionals. The video is now available!

[more](#)



Events

Belgian renovation week: innovation in building renovations

This great event has a special focus on European policy-makers, recognising their pivotal role in shaping regulations and standards that can drive the renovation movement.



	date	15/01/2024 - 18/01/2024
	venue	Brussels
	Organiser	Wallonia Region

[more](#)

ARISE e-learning platform on BIM and applied energy efficiency tools

The EU-funded project ARISE has recently launched an e-learning platform on BIM and energy efficiency, that provides gamified micro-learning modules. This webinar is designed for trainees who want to discover the platform and the free content offered.



	date	17/01/2024
	venue	Online
	Organiser	Architects' Council of Europe

[more](#)

Boosting the deployment of smart energy services in buildings: challenges, opportunities and barriers

In this online workshop, smart building experts from the industry and domOS project partners will share their vision of smart buildings. The first session will be focussed on approaches and experiences to boost interoperability in heterogeneous buildings, and the second and third will present a cluster of smart services to better integrate buildings grids in energy grids and to increase the efficiency of heating.

domOS Final Event

SAVE THE DATE!
FEBRUARY 8th 2024



Boosting the Deployment of Smart Energy Services in Buildings: Challenges, Opportunities and Barriers

8 February 2024

More information will follow!

domOS project

	date	08/02/2024
	venue	Online
	Organiser	domOS project

[more](#)

The BUILD UP newsletter is issued by the [European Climate, Infrastructure and Environment Executive Agency \(CINEA\)](#). The content of the newsletter does not necessarily reflect the opinions of the European Union Institutions.

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