
February 2023

BUILD UP

Newsletter



Follow us   

In this issue

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

Overview articles

FEBRUARY TOPIC OF THE MONTH: Energy efficiency renovation of historic buildings

Every month, BUILD UP highlights publications that are covering a specific topic. The topic of the month (TOM) for February is the energy efficient renovation of historic buildings. Our Editorial Board is eager to receive your discussion papers, news, and articles now. Become a contributor! In this edition of the newsletter, you will find some of the most relevant contents of January's TOM: "Renewable heating solutions for existing buildings".

[more](#)



Integrating Heat Pumps in Existing Residential Buildings

This article, written by Roberto Fedrizzi (Eurac Research), reports on the opportunities and barriers the sector is facing when addressing residential buildings retrofit, while heat pumps have topped 20% of the small-scale heat generators market in the EU.

[more](#)



From opaque traditional walls to Adaptive Façade Systems: state of play and outlook

Miren Juaristi and Davide Brandolini, from the Institute for Renewable Energy, Eurac Research, write about the evolution of opaque façade technologies, highlighting what they think is the most promising characteristic of Adaptive Opaque Facades: their ability to allow or block thermal energy exchange depending on the climatic conditions.

[more](#)



News

BUILDING CONVERSATIONS UP - Dan Stefanica, Head of EU projects at European Heat Pump Association (EHPA)

"40% of all residential and 65% of all commercial buildings will be heated by electricity in 2030". BUILD UP talks with Dan Stefanica, who is leading the implementation of 11 EU-funded and internal projects, covering everything related to the research, design, deployment, and training needed in the fast-growing heat pump sector.

[more](#)



Finland has increased the selling of heat pumps by 50% in 2022

According to the Finnish Heat Pump Association SULPU statistics, Finland has seen in 2022 an increase of 50% of the sales of heat pumps. In particular, the number of air-to-air heat pumps was 160,000, whereas the number of air-to-water heat pumps sold was 19,000 but with an increase of almost 60%.

[more](#)



Sarajevo to introduce heat pumps in district heating system

To resolve the big issue of air pollution due to firewood and coal heating in houses, and the use of natural gas and heavy fuel oil in district heating, the city of Sarajevo is about to launch several projects to install heat pumps for the district heating system.

[more](#)



7 trends on how digitalisation and sustainability can shape the construction industry

Digitalisation and sustainability are expected to lead to big changes in the construction and real estate industry. Discover the seven trends that you can already identify to better understand the future.

[more](#)



EU project WEDISTRIC searching for district heating experts' consultation

Are you an expert in district heating and cooling systems, particularly the 4th and 5th generation systems? Share your knowledge and participate in #WEDISTRIC's survey on energy transition systems, the deadline is February 15th 2023.



[more](#)

BUILD UP Ambassadors – We are looking for you!

BUILD UP is expanding its team of ambassadors! If you are a high-ranking professional and you want to share your knowledge with our community, while spreading our values and mission nationally, don't hesitate to get in touch and check the requirements to join our fantastic team.



BUILD UP The European Portal for Energy Efficiency in Buildings

[more](#)

EUSEW AWARDS – Check the guidelines to apply!

The European Sustainable Energy Awards recognise outstanding individuals and projects for their innovation and efforts in the field of energy efficiency and renewables, with prizes in three categories: Innovation, Local Energy Action and Woman in Energy.



[more](#)

What is the future of heat pumps? IEA share their perspective

The International Energy Agency (IEA) estimates that heat pumps globally have the potential to reduce global carbon dioxide (CO₂) emissions by at least 500 million tonnes in 2030. They share their perspective and suggestions on how to accelerate and support the deployment of heat pumps, powered by low-emissions electricity, in the future.

[more](#)



Status of technology development of heat pumps in the EU

'Heat pumps in the European Union 2022' is a status report implemented by the European Commission's Joint Research Centre, about technology development, trends, value chains and markets related to heat pumps in the EU.

[more](#)



Energy crisis support for Castilian consumers

The Regional Government of Castilla y León (Spain) and EREN, the Regional Energy Agency, are running two subsidy programmes which respectively promote investments in self-consumption and storage with renewable energy sources and the installation of renewable thermal energy in the residential and non-residential sectors.

[more](#)



Bordeaux Metropole and the development of district heating network

Energy Cities has published this innovative case study of the city of Bordeaux and the development of its district heating network in order to attain to the mitigation and adaptation measures for cities.

[more](#)



Explore

The ODYSEE-MURE project: tools for implementing the Energy Efficiency Directive (EED)

The ODYSEE-MURE project provides updated databases and tools to help the European Commission member states to implement the framework of the Energy Efficiency Directive (EED) in the European Union in the most efficient way possible.

[more](#)



ThermoDust project: New Materials for IT Equipment

The ThermoDust project will work towards new materials for IT equipment with beneficial thermal characteristics, as it is estimated that 40% of the total energy consumption of a typical office building goes to cooling this equipment.

[more](#)



The D2Heat project: Helping Croatian district heating sector

This project, funded by LIFE Programme, acts as a support facility for the Croatian district heating sector. The country has developed the Energy Strategy for 2030 towards 2050, which includes the importance of increasing energy efficiency in the building, heating, and air-conditioning sectors.

[more](#)



FRIENDSHIP first e-learning video

FRIENDSHIP is an all-in-one solution, flexible and user-friendly, able to provide reliable and quality heat and cold to industrial processes with maximum economic profitability. Check the video to see how it works and how essential it is to focus on decarbonising heat in the industrial sector.

[more](#)



Learn

Webinar - Energy generation and storage technologies in buildings

SunHorizon, HAPPENING, MiniStor and ComBioTES were the four projects that participated in the first BUILD UP organised and hosted webinar of 2023. Watch the video to discover more about technological solutions for heating/cooling coupled with renewables, and other aspects of energy/thermal energy storage.

[more](#)



Webinar - Novel heat pump technologies based on natural refrigerants and multiple renewable sources

Moderated by Jasper Vermaut, Policy & Project Officer at REHVA, this webinar was organised by the TRI-HP project and presented its main results, consequence of the three heat pump systems that have been tested within the project.

[more](#)



HP4All Knowledge Hub about heat pumps

The HP4ALL project has created a Knowledge Hub in which a user can find all the information concerning heat pumps installation and skills development. The project's objectives are mainly to design heat pump competency and develop a skills framework and to replicate projects at national and EU-levels.

[more](#)



BIM4EEB - BIM management system

BIM4EEB aims to foster the renovation industry by developing an attractive and powerful BIM management system with BIM-based toolset able to support designers in the design and planning phase, construction companies to efficiently carry out the work and service companies to provide attractive solutions for building retrofitting.

[more](#)



Heat Pumps skills for NZEB construction final workshop

In this event, the HP4ALL consortium will present the project results and showcase its HP4ALL package online, a series of tools and resources to be used by the different related heat pumps stakeholders. Attendance is possible either in person or online.

[more](#)



CITIES – BUILDINGS – SKILLS: Energy Renovations in Historic Areas at Different Scales

This webinar, organised by the Cyprus Energy Agency (CEA) and hosted by BUILD UP, will provide an overview of the CEA's projects that relate to various aspects of energy efficiency of historic urban fabrics.

[more](#)



Decarbonising our built environment – Making sure we have the right skills

What skills do we need to decarbonise our built environment? How can we address skills and labour shortages in the industry, and reach net zero by 2050? This event is organised in partnership with the Technological University of the Shannon (TUS) as part of the BUSLeague project.

[more](#)



The Heat Pump Award

The Heat Pump Award is an EHPA project which recognises the most efficient, smart, and sustainable Heat Pump project at the local level. Launched in 2011, the international appeal of the award has grown year after year and now attracts participants from all over Europe and beyond.



[more](#)

Social media



BUILD UP
#BUILDUP
The European partner for #EnergyEfficiency #Buildings #EHPA #EHPA
An initiative of the #EU Commission
Under the #ClimateChange Action
© Europe · #BuildUp · #EHPA · #EHPA
#EHPA

BUILD UP on Twitter

Follow us on Twitter!

[more](#)



BUILD UP on LinkedIn

Follow us on LinkedIn

[more](#)

Kindly note that the only contact email for BUILD UP is contact@buildup.eu, any other address, even if similar, is not under our domain.

About this e-mail

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 institutions of the European Union.

Visit the BUILD UP portal at: <http://buildup.eu/>

To subscribe and unsubscribe to the newsletter, please go to [your profile](#).

© European Union, 2023. Reproduction is authorised provided the source is acknowledged.

The European Commission is committed to personal data protection. Any personal data is processed in line with the Regulation (EU) 2018/1725. Please read the [privacy statement](#)