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In 2025, the 5th edition of the Building Digital Twin International Congress (BDTIC) will take place at Laisvės al. 13, at the very heart of the beautiful Hanseatic city of Kaunas. The Congress will result from a collaboration between the Building Digital Twin Association (BDTA), the Kaunas University of Technology (KTU) and the SmartWins EU-project.

The venues selected for the event, are part of the KTU, one of the leading universities in the Baltics and renowned for its strong ties to industry.

The Congress will be held in a hybrid format, similar to previous editions at the COAC (Col·legi Oficial d'Arquitectes de Catalunya) in Barcelona (Spain) and the BEACON in Antwerp (Belgium).

The three-day event will kick-off on May 13th 2025 with the innovative **Building Digital Twin Workshop on Digital Building Permitting** which will provide a platform for participants to explore opportunities within the domains of Digitalization in the Built Environment Industry, fostering collaborations between Software Developers and Cities and upcoming project proposals.

The **BDTIC** aims to connect senior and postdoctoral researchers from the academic world, professionals from the industry, private and public investors, technological experts from public administrations and policy makers to drive forward technological advancements and sustainable development in Europe.

On May the 14th 2025 we'll have the pleasure to celebrate the 5th edition of the **Building Digital Twin International Congress** with several workshops in the morning. Here challenges related to Civil Infrastructure Digital Twins, Building Digital Permits, Ontologies, Mathematical Simulation and Ethics will be addressed. Digital Twin use cases will be shared and European R&D projects in this field will be highlighted.

In the afternoon our Executive Program with leading keynote speakers will be offered to provide a status of the digitilization process within the construction industry. Demonstrations and presentations on advancements in scientific research will be showcased.

On May 15th 2025 we'll welcome the first edition of the **Building Digital Twin Scientific Conference (BDTSC)** supported by the KTU and the SmartWins EU-project. Here early-career researchers, and PhD students, are invited to a Spring School on Digital Twins to share presentations on their studies and papers.



## What is the Building Digital Twin Association (BDTA)?

The **Building Digital Twin Association** resulted of **SPHERE EU-Project**, the 1st Europe Horizon 2020 project that aimed to provided a BIM-based Digital Twin Platform.

The BDTA is a non-profit association based in Belgium (EU), composed of entities and individuals who work together to shape the future of the Building Digital Twin industry by fostering the definition of the Digital Twin-concept and by co-creating a standardised frame to facilitate, data integration and interoperability for all AECOO stakeholders, along the whole lifespan of building assets.

At present, the association is involved in 4 EU-projects:

- → **DigiChecks -** GA 101058541 (2022-2025)
- → **Hycool-IT -** GA 101138623 (2024-2027)
- → **Dyman -** GA 101161930 (2024-2027)
- → **Heritalise -** GA 101158081 (2025-2028)

and manages 4 differents Working Groups on:

- → Ontologies: Creating an Ontologies Manual & Library
- → Applied Mathematical Simulations to Digital Twins
- **→** Ethics and Privacy
- → Civil Infrastructures Use cases & Vertical Aggregation

The BDTA's President, Eduardo Loscos, is the Conveyor of CEN 442 WG9 which is working for the certification of the DT-concept.

The project aims to develop a **Open Technology Framework** to optimise the building lifecycle, to reduce costs and to improve energy efficiency in residential buildings.





## What is the Kaunas University of Technology (KTU)?

Kaunas University of Technology had its beginning on 16 February 1922, when the University of Lithuania and its technical faculties were established.

The development of Lithuanian scientific ideas continued in the first Lithuanian independent technical school of higher education (in 1950–1990 titled Kaunas Polytechnic Institute (KPI)). It was famous for the ultrasound and vibrotechnics laboratories, and scientific research of textiles.

In 1990 KTU regained its status of the university and took a path of rapid reforms of studies and research. The University continues to pursue sustainable partnership of science, business and industry, develops and implements new ideas, innovations and inventions.

Since 1922 more than 157.000 students graduated from the university.





### The last edition of BDTIC



The 4th BDTIC was offered in hybrid format: in person at COAC, Barcelona (Spain) and online by streaming. The Congress was organized by the Building Digital Twin Association (BDTA) in collaboration with EUnet4DBP, Digichecks, GeoBIM and Advanced Factories. As event sponsors we got the support of INS (North-Macedonia), NEANEX (Belgium), École des Ponts de Paris (France) and Digichecks (EU-project).









### The next edition

The Congress will be held in a hybrid format, similar to previous editions at the BEACON in Belgium and CAATEEB and COAC in Barcelona. This year, BDTIC will take place at two of the remarkable venues of the Kaunas University of Technology in the center of the city.

The 3-day event will offer networking and clustering opportunities on the first day, in depth knowledge sharing during workshops and round table sessions on the central day and presentations on advancements in scientific research on the third day.

All of this in the surprising setting of Kaunas, a former European Capital of Culture in 2022 and the only Hanseatic city in Lithuania. Located at the confluence of the Nemunas and Neris rivers, Kaunas is renowned for its Modernist architecture from 1919-1939, which is included in the UNESCO World Heritage list. Kaunas University of Technology is one of the largest technical universities in the Baltics and a leader in advancing digital twin technologies. Kaunas can be accessed directly via its airport or through the capital city, Vilnius, by rail.

The conference will follow a Zero Waste approach, encouraging participants to use local sustainable transportation options and offset their CO<sub>2</sub> footprints where possible.

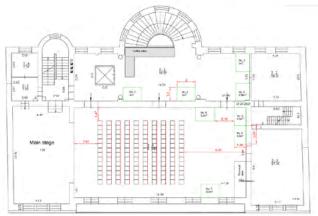






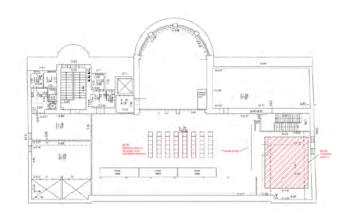
#### The exhibition area

2nd floor: BDTIC 5 / BDTSC

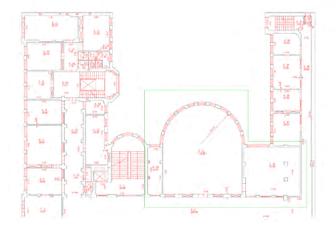




6th floor: BDTIC 5 / BDTSC



4th floor. KTU Main building: Workshop Cities



The attendees' profile



#### **Corporate**

business developers, sales people, project managers, civil, industrial or mechanical engineers, operations managers, capital investors, construction managers and consultants.



#### **Academics**

researchers, PhD candidates, PhDs, senior research scientists, associate professors from universities and research centers.



#### **Public Administration**

goverment administrations, representatives from cities, regions and countries responsible for the digital transition and digitalization.



## The benefits according to the sponsorship modality

	Platinum	Gold	Silver	Bronze
Inclusion of the sponsoring entity's logo on:				
panel with logos at the event website	•			
an exclusive publication at social networks				
on-site signage				
'slideshow' to be shown in between sessions	•			
final programme			•	
event's website	•			
Exhibition area**				
Free in person entries included	5	3	2	1
Number of sponsors accepted for each modality	Unlimited	Unlimited	Unlimited	Unlimited
Amount	6.000€*	4.000€*	2.500€*	1.500€*

<sup>\* +</sup> VAT

The different sponsorship modalities include side event participation



<sup>\*\*</sup> Detailed information will be shared with each sponsor individually



### The payment conditions

The sponsorship payment will be made according to the following conditions:

- □ 50% of the total amount for the adjudication of the sponsorship
- 50% of the total amount in April 2025

#### **Additional information**

Entries included in sponsorships include the entire social program of the conference.

#### The website

https://buildingdigitaltwin.org/bdtic-2025/



