BDTIC
2ND BUILDING DIGITAL TWIN International Congress

ECTP Position Paper

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ORGANIZED BY:

BUILDING DIGITAL TWIN ASSOCIATION

SPHERE

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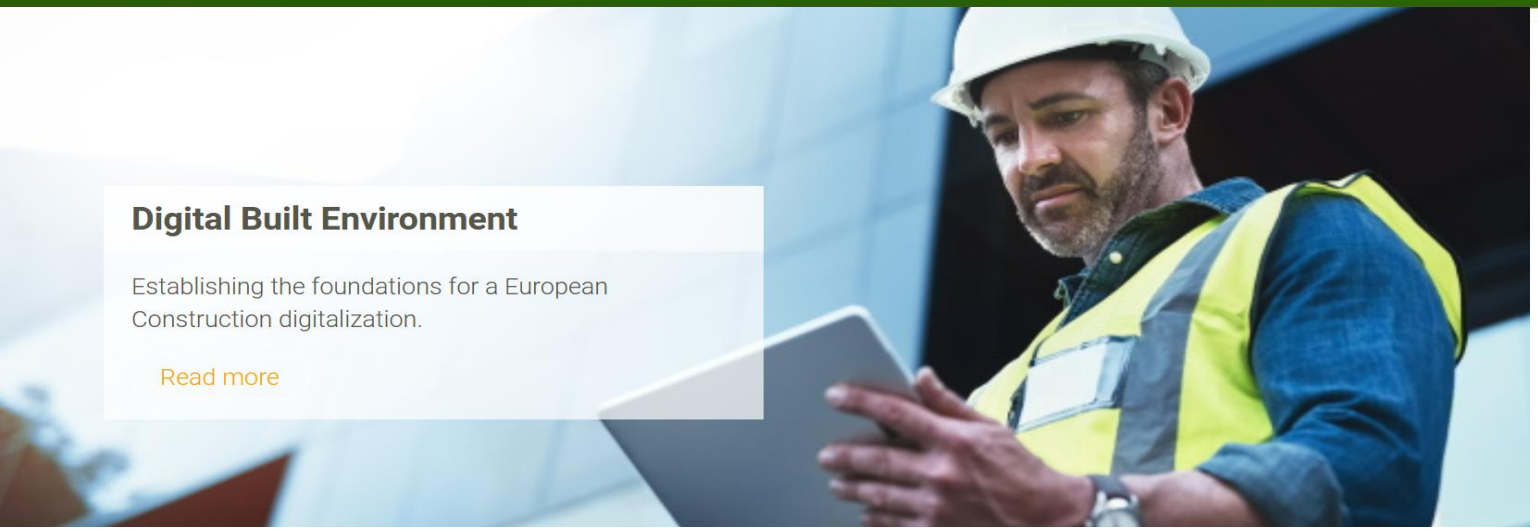
ECTP
INNOVATIVE BUILT ENVIRONMENT

The European Construction, built environment and energy efficient building Technology Platform (ECTP) is a leading membership organisation promoting and influencing the future of the Built Environment.

ECTP Committees / Main areas:

- Built for Life (B4L)
- Digital Built Environment (DBE)
- Energy Efficient Buildings (E2B)
- Heritage & Regeneration (H&R)
- Infrastructure & Mobility (I&M)
- Materials & Sustainability (M&S)

ECTP DBE Committee



The DBE Committee aim is to establish the foundations of the European digitalization strategy towards a digital built environment, to create an exhaustive network, including the relevant stakeholders of the construction sector and of the relevant technology and supply value chains, including citizens, so as to deliver a European-wide consensus around the Digital Transformation of the Construction sector and the needed actions to achieve it.

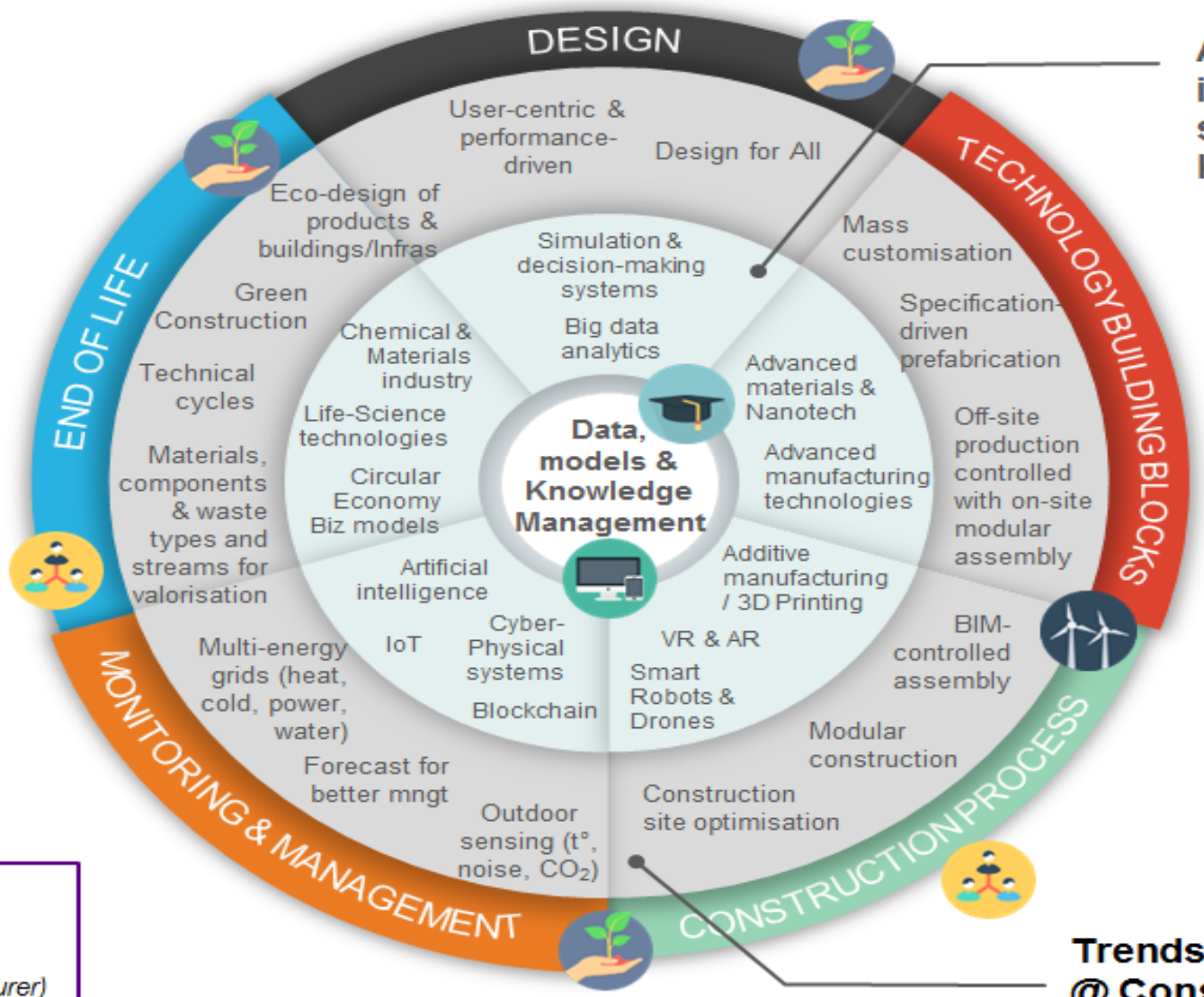
MAIN ACTIONS

- Identification of the current barriers and limitations in the introduction of digital technologies and techniques.
- Definition of measures and interventions to overcome identified barriers.
- Gathering “best practices” from different sectors, institutions and member states.
- Definition and promotion of European SRIA and roadmap to support the sector’s transition and digital transformation.
- Definition of gaps and cross-transversal challenges in the different national strategic plans related to the digital transformation of the construction sector.

ECTP DBE Committee

Main enablers for a competitive Construction eco-system

- Generalised Digitalised platforms and Apps for construction projects
- Seamless integration of innovation (materials, components, systems)
- Engaging all actors in sustainable development and impact
- Trained and skilled labour force & high quality employment and working environment
- Mobilising the financial resources for massive investments in knowledge



Advanced innovative systems & KETs

Trends and drivers @ Construction level

Technical cycles

- *Maintain (Customer)*
- *Refurbish / Remanufacture (Provider)*
- *Reuse / Refurbish (Product Manufacturer)*
- *Recycle (Part Manufacturer)*

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Main objectives of the document

Objective: to identify and provide the challenges and goals of the construction sector, to be included in the next HEU programme, focusing in the digitalisation and automated construction part.

Scope and Approach: ECTP Long term vision towards 2030, transversal link with other ECTP Committees and engagement with 3rd parties and programmes.

Priority topics: Identification of the current barriers and limitations in the introduction of digital technologies and techniques as well as topics to be covered by HEU.

Implementation: Action plan to create a global European ecosystem strategy , engagement with 3rd parties and expected outcomes and impacts in HEU (e.g. Built4People).

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Calendar & Next Steps


DIGITAL BUILT ENVIRONMENT

ECTP Digital Built Environment Committee

Horizon Europe 2022-2027 POSITION PAPER

Draft version – 12 April 2022

ECTP

- **05/22** – Current draft version under revision by Members of the ECTP.
- **06/22** –End of June 2022 – Final version of the ECTP DBE Position Paper to be released.

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DBE Position Paper

#BDTIC

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Digital Built Environment Committee

AN ECTP COMMITTEE FOR INNOVATIVE BUILT ENVIRONMENT

BUILDING THE DIGITAL FUTURE OF THE CONSTRUCTION SECTOR

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