Digital Twins

Challenge – Enable a values-based approach to digital strategies in the built environment and ensure digital twins have purpose, maintain trust and function effectively

Objective - Create a "Digital Twin (DT) Hub" online community to foster the development and advancement of digital twins and evolve the view of 'what good looks like' and inform the need for future standards

'Digital twins' - virtual representations of physical assets and systems – are a promising technology for the built environment. But a lack of alignment on key concepts and approaches risked slowing adoption and reducing value. The Centre for Digital Built Britain (CDBB) wanted to provide an environment through a "DT Hub" community where key stakeholders could connect, agree priorities and share good practice.

Building consensus and alignment

BSI worked with the CDBB to create the DT Hub, which:

- Provided a platform to identify, evaluate and prioritize common opportunities and challenges for industry
- Created a dedicated online portal for the community with tailored content to spark collaboration around agreed themes
- Ran a series of webinars and online "jams" to develop thinking for each theme
- Generated insights and recommendations on digital twin concepts and definitions; skills and culture; and value and priority use cases

Fostering collaboration to unlock value

The DT Hub fostered collaboration between major asset owners and other industry players. It now has over 1,500 members. Connecting these stakeholders to agree good practice and to identity areas that unlock value is an essential step towards accelerating the benefits of digital twins in the built environment.

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