

FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting Our World, Conquering **New Frontiers**

Infrastructure Digital Twins

Accelerating the transition to sustainable, low-carbon, resilient infrastructure

Dustin Parkman Vice President Transportation Bentley Systems Inc.













Global Top 100 Software Company

FOCUSED ON INFRASTRUCTURE ENGINEERING



years in operation



>5,200 colleagues in 40 countries



>1,400 colleagues with doctoral and master's degrees



87% colleagues recommend as a place to work



~\$1.1B annual revenue



>194 countries where BSY solutions are in use



\$664M in R&D in past 3 years



290 patents granted or pending



72% Bentley Infrastructure Top 500 Owners



93% ENR Top 250 **Engineering Firms**



initial public offering September 2020



advancing sustainable infrastructure





Bentley is leading the development of digital twin technology as an enabler and accelerator of the transition to sustainable, low-carbon, resilient infrastructure.

We strongly believe that Infrastructure digital twins and sustainable development go hand in hand.

Infrastructure Data Challenges



Diverse data environment



Siloed data sources



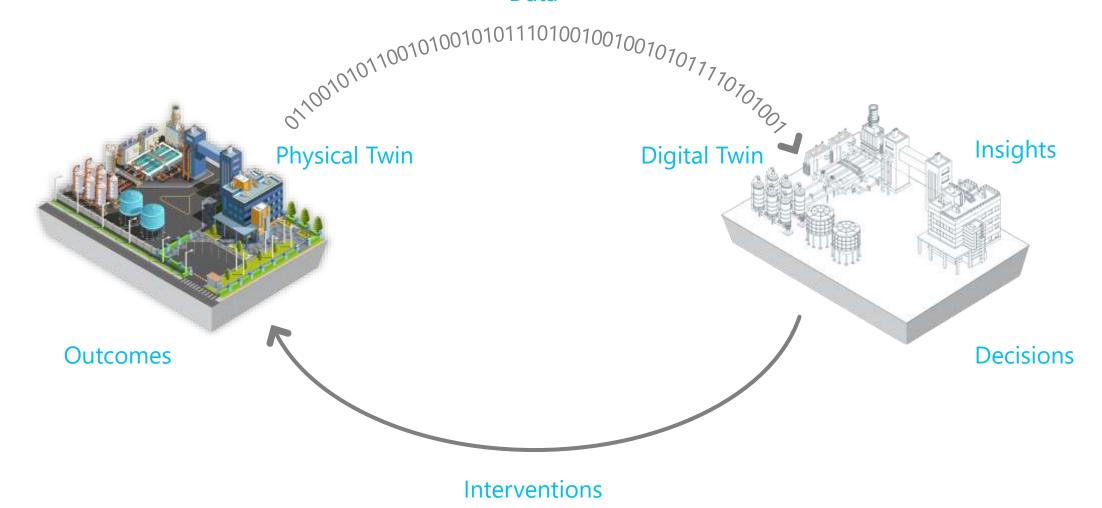
Complexity of information



Platform for growth



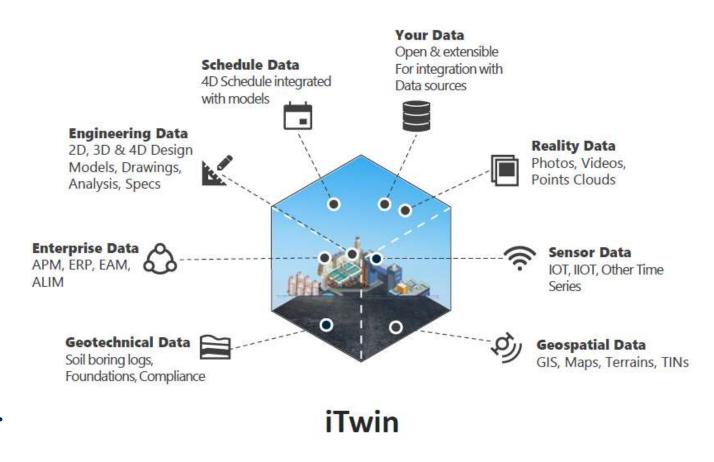
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Source: adapted from Centre of Digital Built Britain

A **digital twin** is virtual representation of real-world entities and processes, synchronized at a specified frequency and fidelity

An iTwin is an infrastructure digital twin implemented using Bentley's iTwin Platform.

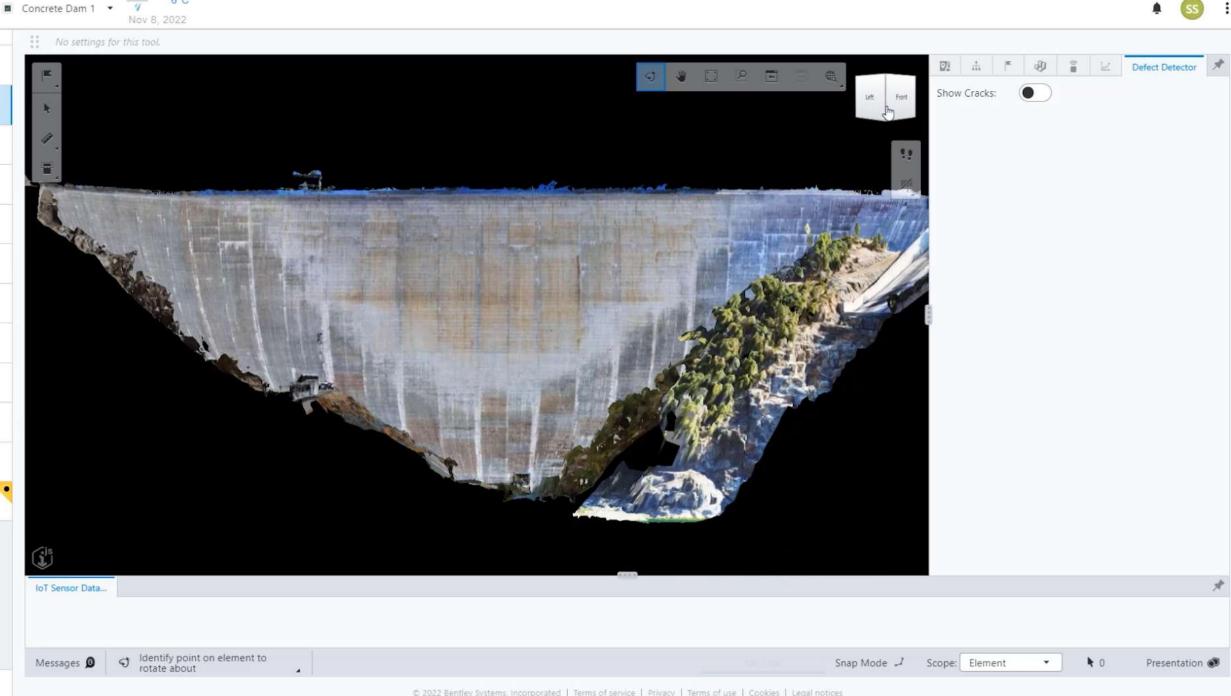














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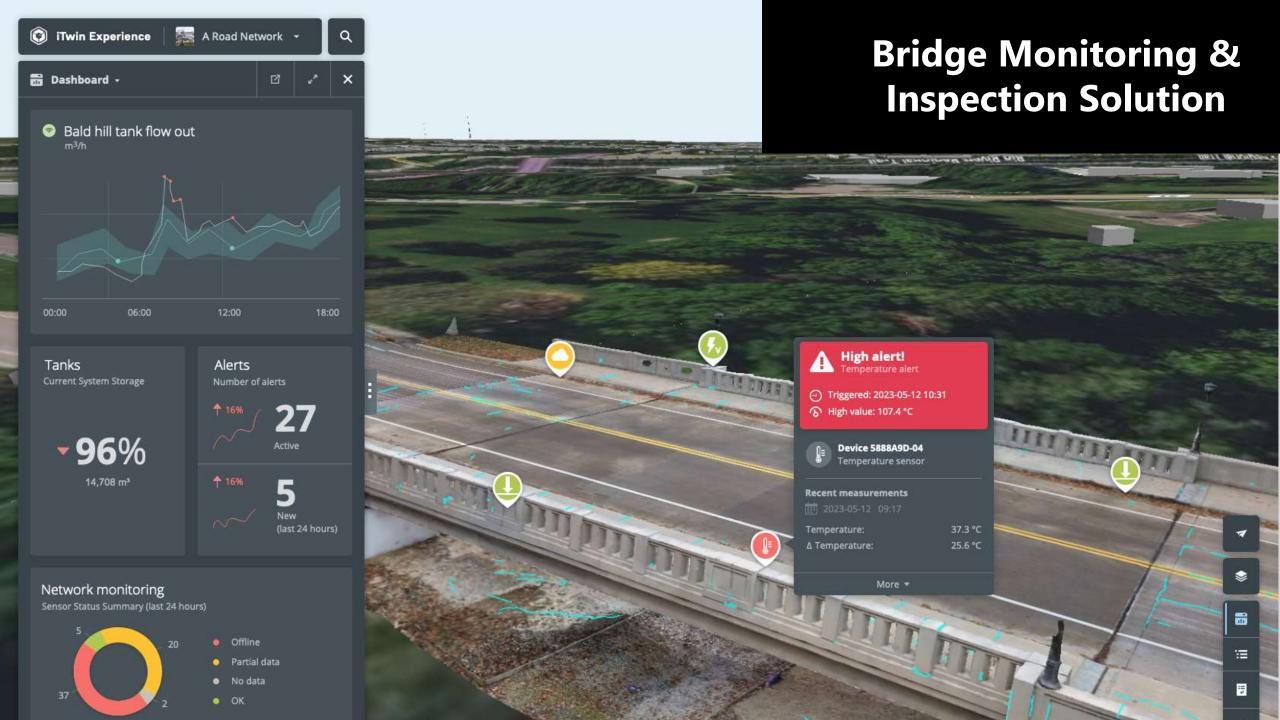
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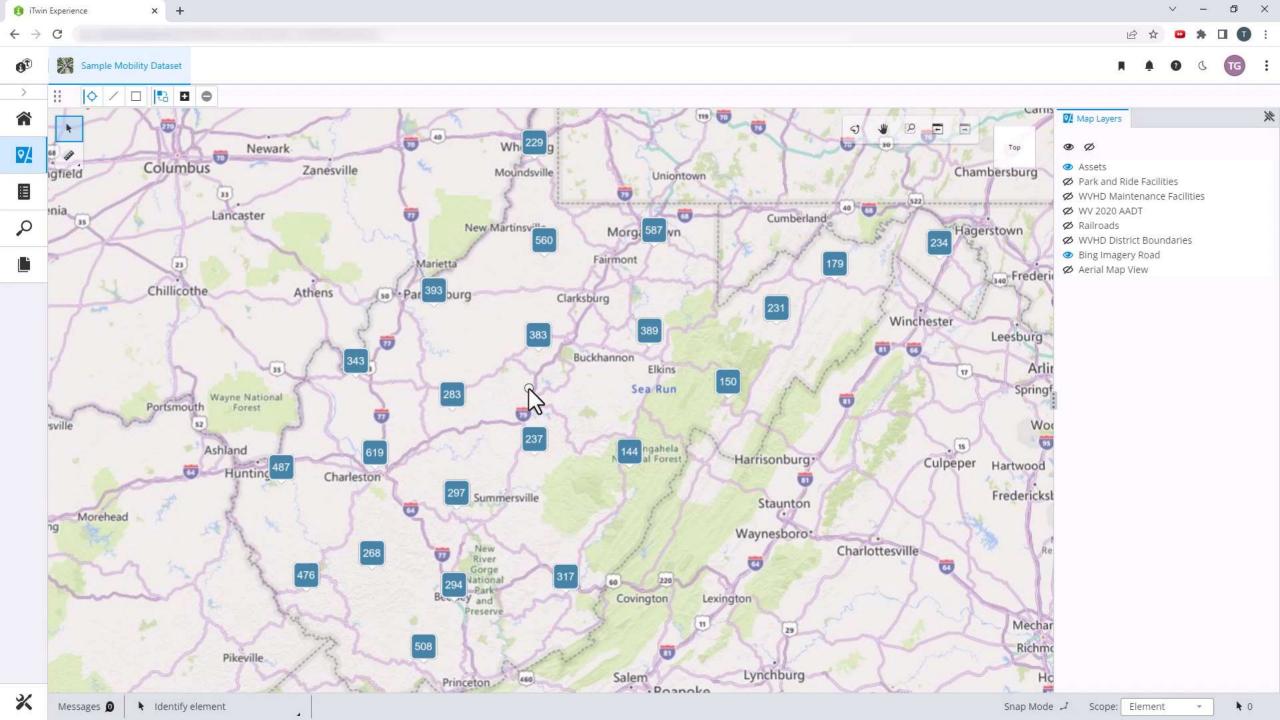
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Thank you!











