Bentley

Bentley Systems Adds Infrastructure Industry Experience to Digital Twin Consortium

May 20, 2020

Underscores Commitment to Advancing Open-Source Platform for Digital Twins

EXTON, Pa. – **May 20, 2020** – Bentley Systems, Incorporated, a leading global provider of comprehensive software and digital twin cloud services for advancing the design, construction, and operations of infrastructure, has joined Digital Twin Consortium at the "Groundbreaker" level.

Digital Twin Consortium was formed by non-profit trade association Object Management Group® with Ansys, Dell, Lendlease, and Microsoft, creating a global ecosystem of users who are accelerating the digital twin market and demonstrating the value of digital twin technology. As the authority in digital twins, the consortium brings together industry, government, and academia to drive consistency in the vocabulary, architecture, security, and interoperability of digital twin technology. Digital Twin Consortium aims to influence the direction of digital twin technology development, become the focal point for digital twin thought leadership, and promote, evolve, and refine digital twin best practices and benefits.

As a groundbreaker member of the consortium, Bentley will help set *de facto* technical guidelines and taxonomies, publish reference frameworks, develop requirements for new standards, and share use cases to maximize the benefits of digital twins. Bentley will be working alongside other early innovators, including the U.S. Air Force Research Laboratory and New South Wales Government.

Bentley's collaboration with Digital Twin Consortium and its global ecosystem of digital twin users underscores its commitment to advancing an open-source platform for digital twins, which began with its release of iModel.js at its *Year in Infrastructure 2018* Conference.
• **iModel.js** is the first and only open source library available on GitHub for accessing, creating, visualizing, analyzing, and integrating the data associated with infrastructure digital twins.

Bentley has since expanded its digital twin offerings to include:
• **iTwin Services**, which enable digital information managers to incorporate engineering data created by diverse design tools into a living digital twin with no disruption to their current tools or processes; and
• **PlantSight**, a digital twin for process industries, which brings together plant data and operating information into a single "pane of glass" accessible from anywhere 24/7 using a standard web browser.

Adam Klatzkin, vice president, business development – iTwin Services for Bentley Systems, said, "Infrastructure professionals are quickly catching on to the significant gains that can be realized by digital twins. We believe that no vendor will be able to satisfy the myriad requirements and potential applications of digital twins that will emerge over the next five years. No one knows what a digital twin is going to be five years from now, but it is a safe bet that it will be connected to more systems than is possible today. Users want the flexibility to change as requirements change and as new things become possible. In software terms, that means being open. It is important for organizations to take an open approach when they are selecting digital twin technologies to work with. Open wins."

"We are delighted that Bentley will bring its infrastructure industry and open-source expertise to our global ecosystem of Digital Twin Consortium members," said Dr. Richard Soley, executive director, Digital Twin Consortium. "We look forward to working with Bentley to advance the use of digital twin technology across industries."

Click here to read the Digital Twin Consortium's full press release.

About Digital Twin Consortium
Digital Twin Consortium is The Authority in Digital Twin. It coalesces industry, government and academia to drive consistency in vocabulary, architecture, security and interoperability of digital twin technology. It advances the use of digital twin technology from aerospace to natural resources. Digital Twin Consortium is a program of Object Management Group. www.digitaltwinconsortium.org

About Bentley's iModel.js
iModel.js is an open source library for creating immersive connections with digital twins. iModel.js library is a comprehensive collection of JavaScript packages that build on the most open, popular, and flexible standards for modern cloud and web development. It is written in TypeScript, and leverages open technologies including SQLite, Node.js, NPM, WebGL, Electron, Docker, Kubernetes, and of course HTML5 and CSS. The same codebase can produce cloud services and web, mobile, and desktop applications. The source code is hosted on GitHub and is distributed under the MIT license. www.imodeljs.org

About Bentley Systems
Bentley Systems is a leading global provider of software solutions to engineers, architects, geospatial professionals, constructors, and owner-operators for the design, construction, and operations of infrastructure. Bentley's *MicroStation*-based engineering and BIM applications, and its digital twin cloud services, advance the project delivery (*ProjectWise*) and the asset performance (*AssetWise*) of transportation and other public works, utilities, industrial and resources plants, and commercial and institutional facilities.
Bentley Systems employs more than 3,500 colleagues and generates annual revenues of more than $700 million in 172 countries. From inception in 1984, the company has remained majority-owned by its five founding Bentley brothers. www.bentley.com
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Bentley Public Relations

Christine Byrne
Director, Media Relations
1-203-805-0432