



Digital Twin technology empowers you to see what happens as a result of your decisions before you invest in them, without risk. The best way to harness this power is through collaboration enabled by Digital Twin Consortium™.

Digital Twin Consortium is The Authority in Digital Twin.

The Consortium is a global ecosystem of technologists who are influencing the direction of digital twin technology development. They represent the leading innovators and thought leaders in this emerging industry.

The Consortium coalesces industry, government and academia to drive consistency in architecture, security, interoperability and vocabulary of digital twin technology. It advances and advocates the use of digital twin technology in many industries from aerospace to natural resources.

Membership is open to any business, organization or entity with an interest in digital twins.

The Consortium is dedicated to the widespread adoption of digital twin technology and related transformational business outcomes. Our members are committed to enhancing operational cost-efficiencies and improving resource consumption by using digital twins throughout their operations and supply chains. Their goal is to capture best practices and interoperability and portability requirements for digital twin producers and consumers.

The Consortium ecosystem will drive best practices and requirements for standards.

Digital Twin Consortium will:

- Influence the direction for digital twin technology by setting roadmaps and industry guidelines through an ecosystem of digital twin experts.
- Improve interoperability of digital twin technologies by developing best practices for security, privacy and trustworthiness and influencing the requirements for digital twin standards.
- Reduce the risk of capital projects through peer use cases and access to experts.

The success of Digital Twin technology requires cross-industry collaboration.

Through cross-industry collaboration, the Consortium helps enterprises maximize the positive impact of digital twin technology. Within the member ecosystem, we share the lessons learned and opportunities uncovered from the digital world and apply them to the physical world.

Through collaboration, our members:

- **Influence** the direction of digital twin technology development
- **Advocate, promote, evolve and refine** digital twin best practices and benefits
- **Create** cross-industry digital twin reference architectures and definitions
- **Become** the focal point for digital twin thought leadership, trend analysis and industry perspective
- **Provide** the definitive resource hub for digital twin producers and consumers
- **Improve** interoperability between digital twin technologies
- **Establish** de facto industry guidelines for the digital twin marketplace.

Digital Twin is applicable to a wide range of sectors and lessons learned from one can be applied to many.



Digital twin technology helps decision makers better understand how data collected from smart components can drive innovation and performance. Members from many industries are developing technical guidance, reference implementations and setting industry guidelines to drive safer and more efficient deployments. These industries include:

Infrastructure – Construction productivity is falling despite increased BIM adoption. Digital twins are poised to disrupt the construction and real estate development industries.

Natural Resources – Natural resources related sectors, including oil & gas and mining, are becoming increasingly digital. Digital twins can be applied during the engineering, design, construction and deployment, and operations phases of the lifecycle to improve production, predict or detect problems, and improve safety.

Manufacturing – Digital twins are being used to manage the performance, effectiveness, and quality of a manufacturer’s fixed assets such as manufacturing machines, lines, and plants. With digital twins, manufacturers can take a more strategic and holistic approach to asset management.

Aerospace & Defense - McKinsey estimates that linking the physical and digital worlds could generate up to \$11.1 trillion a year in economic value by 2025. The impact of digital twins on the aerospace and defense industry will be immense.

Why Organizations Join Digital Twin Consortium

Digital Twin Consortium’s global membership is committed to using digital twins throughout their operations and supply chains and capturing best practices and standards requirements for themselves and their clients. Our members enjoy the following benefits every day:



Improve interoperability of digital twin technologies

- Ensure digital twin models interoperate throughout your product lifecycle
- Develop best practices for security, privacy & trustworthiness
- Create library of reference implementations for digital twins



Accelerate the market

- Set de facto industry guidelines for digital twin technology
- Develop industry requirements for new digital twin standards
- Reduce the skills gap by getting your employees involved



Demonstrate the value to maximize your outcomes

- Integrate existing source code into your system
- Help influence the direction of the market and get your project online faster
- Combine your resources and reduce your risk

Catch this wave. Join Digital Twin Consortium today! www.digitaltwinconsortium.org