Digital Twin Consortium® is The Authority in Digital Twin™.

A global ecosystem comprising industry, government, and academia.

Digital Twin Consortium® drives the awareness, adoption, interoperability, and development of digital twin technology. Through a collaborative partnership with industry, academia, and government, the Consortium is dedicated to the overall development of digital twins.

We accelerate the market by propelling innovation and guiding outcomes for technology end-users. Our members are committed to using digital twins throughout their global operations and supply chains. They are working together to:

- **Build and establish** an extensive multi-faceted ecosystem,
- **Identify and fill** gaps in technology development,
- **Drive interoperability** through frameworks and open-source code,
- **Develop and advocate** consistent best-practice methodologies,
- **Work to influence** policy and standards requirements,
- **Publish and amplify** architectures, statements, and viewpoints,
- **Advance** scientific and technical research to expand the market.

The goal of the consortium is to be The Authority in Digital Twin™ as it relates to policy, security, interoperability and overall development of digital twins. We define the ecosystem, standards requirements, architectures, open-source code, identify gaps, and publish statements and opinions.

INNOVATION HUBS

Our global membership is taking a leadership position in advancing digital twins. Members collaborate in Innovation Hubs to address the business and technology needs of vertical and horizontal ecosystems.

Academia & Research

Ensuring a bright future for digital twins by establishing roots in academia.

Aerospace & Defense

Military contractors are pioneering digital twins.

Architecture, Engineering, Construction & Operations

Creating value in the global infrastructure.

Agriculture, Food & Beverage

Developing solutions for global consumption and sustainability.

Capabilities & Technology

Creating the foundation of a new industry.

FinTech

Exploring use cases in "Fin Twins," with an eye toward more efficient operations.

Healthcare & Life Sciences

Improving patient outcomes while reducing operating margins.

Manufacturing

Taking a more holistic approach to processes and asset management.

Mobility & Transportation

Driving the global economy with a unique lifecycle of demands.

Natural Resources

Striving to create more sustainable communities.

Security & Trustworthiness

Endeavoring to ensure the security of digital twins worldwide.

WHAT OUR MEMBERS SAY

"There is a big push in the aerospace and defense industry to transform the way we're doing things, and this is one of the biggest benefits of working with the Digital Twin Consortium. We get to break away from our everyday way of performing and try novel and better ways of developing these technologies."

Laura Szypulski | NORTHROP GRUMMAN

"For us, joining the DTC was all about the right timing. We're now at the point where, as enough people have gathered that value, we understand we should combine our learnings and our knowledge as a community to accelerate the delivery of the technology into this space. And not just the technology itself ... but how the technology can deliver business value."

Colin Parris | GE DIGITAL

"With the consortium, we can really have the open discussion about what are the foundational standards, the global standards,   or international and national standards that we can use for developing that coherent foundation for everyone, that universal foundation. We have everyone speaking the same language and we have the common North star."

Salla Eckhardt | MICROSOFT

WHY JOIN

Our global membership is taking a leadership position in advancing digital twins through action and innovation. Our members join the consortium to work with the technology experts and market leaders in digital twins, who are focused on these objectives:

Build An Extensive Multi-Faceted Ecosystem

- Accelerate development and adoption
- Develop and advocate consistent best-practices methodologies
- Work to influence policies and standard requirements

Improve Interoperability of Digital Twin Technologies

- Ensure digital twin models interoperate throughout your product life cycle
- Leverage frameworks and open-source code
- Integrate existing source code into your system

Advance Scientific and Technical Research to Expand the Market

- Create a library of reference implementations for digital twins
- Publish and amplify architectures, statements, and viewpoints
- Help influence the direction of market; get your projects to market faster

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