

San Diego Patch

Gafcon Becomes Groundbreaking Member of Digital Twin Consortium™

Gafcon to use construction project management expertise to help advance the use of digital twin technologies

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Gafcon is honored to announce that it is a Groundbreaking member of the newly formed Digital Twin Consortium™, a global partnership between academia, industry and government. Founded by commerce leaders including Lendlease, Object Management Group®, Microsoft, Dell and ANSYS, the Consortium will create a global ecosystem of users who are accelerating the digital twin market while demonstrating the value of digital twin technology. Digital Twin Consortium drives the adoption, development, interoperability and use of digital twin technology while propelling innovation through consistent approaches and open source development. Gafcon will participate as a thought leader to provide lessons learned and innovative approaches to advance best practices, intelligence, requirements and standardization of digital twin processes.

If the digital twin lifecycle of a building could be split into two, its creation and its use, then Gafcon focuses on its creation. Gafcon's use of the digital twin approach allows users to build a project virtually before it is built physically. Gafcon provides owners with the processes by which a digital twin can be created in a software agnostic manner. In the role of Digital Twin Integrator, Gafcon is responsible for the deployment of a customized virtual replica that incorporates all relevant data from a plethora of software platforms to make certain all components are configured and represented. Gafcon works with all parties required to plan, design, procure and construct the physical asset by first providing the digital asset, which is foundational to the use of a digital twin in the maintenance and operations phases of the lifecycle.

"The digital twin community is small but growing rapidly," said John Turner, vice president of Innovative Solutions at Gafcon. "The Digital Twin Consortium will provide the means for that community to develop more quickly in a cohesive manner to provide the benefits of a digital twin lifecycle at the exact time when the construction and operation of buildings and factories need to be quickly aligned and to eliminate the silos that prevent the smooth flow of data within the digital building lifecycle."

"We're delighted to have Gafcon as a Groundbreaker member of the Digital Twin Consortium," said Dr. Richard Soley, executive director of the Digital Twin Consortium. "Gafcon's experience in construction project management will be very valuable to Digital Twin Consortium members as we work together to advance the use of digital twin technologies."

Gafcon's trademarked OneModel digital twin approach gets all members of the construction and management teams using technology in the same way to create a vision and a roadmap. It provides the team with a collaborative and managed virtual environment where problems can be addressed and solved. OneModel will reduce the time it takes to make decisions and can be coordinated across the building's lifecycle, thus delivering a safer and higher quality building at a faster pace and at a lower cost.

According to Turner, "OneModel's goals are to facilitate the four I's: integrating the team, incentivizing the team, implementing Lean principles and improving the construction process."

For more information on Gafcon's technology solutions, please

visit <https://www.gafcon.com/digital-twin/>.

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