



Ansys Helps Protect National and Global Security Through Digital Mission Engineering and Space Domain Awareness

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Northrop Grumman will employ Ansys' simulation and digital mission engineering solutions to develop a radar site to monitor high orbits in space

PITTSBURGH, April 14, 2022 /PRNewswire/ -- [Ansys](#) (NASDAQ:ANSS) Government Initiatives ([AGI](#)) is supporting Northrop Grumman in developing, testing, and delivering a Deep-Space Advanced Radar Capability (DARC) in support of the U.S. Space Force (USSF) Space Systems Command (SSC) Space Domain Awareness mission.



Integrating Ansys' best-in-class simulation and digital mission engineering solutions, Northrop Grumman created a high-fidelity, open digital twin prototype environment. Northrop Grumman will also use Ansys' products to examine radio frequency systems, perform mission-level analysis, and leverage digital thread capabilities.

"Ansys is honored to collaborate with DARC to support the digital design and validation of this critical U.S. national security system," said Shane Emswiler, senior vice president of products at Ansys. "Our simulation and digital mission engineering solutions are proven to accelerate and optimize complex product development within leading engineering organizations throughout the world. We are confident they will benefit the Northrop Grumman DARC team in the same manner."

This initial DARC contract includes the design, development, and delivery of a Site 1 system which is expected to be completed in 2025. The companies are also working together on two additional radar sites to be strategically positioned around the world.

About Ansys

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where Ansys software played a critical role in its creation. Ansys is the global leader in engineering simulation. Through our strategy of Pervasive Engineering Simulation, we help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, Ansys is headquartered south of Pittsburgh, Pennsylvania, U.S.A. Visit www.ansys.com for more information.

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