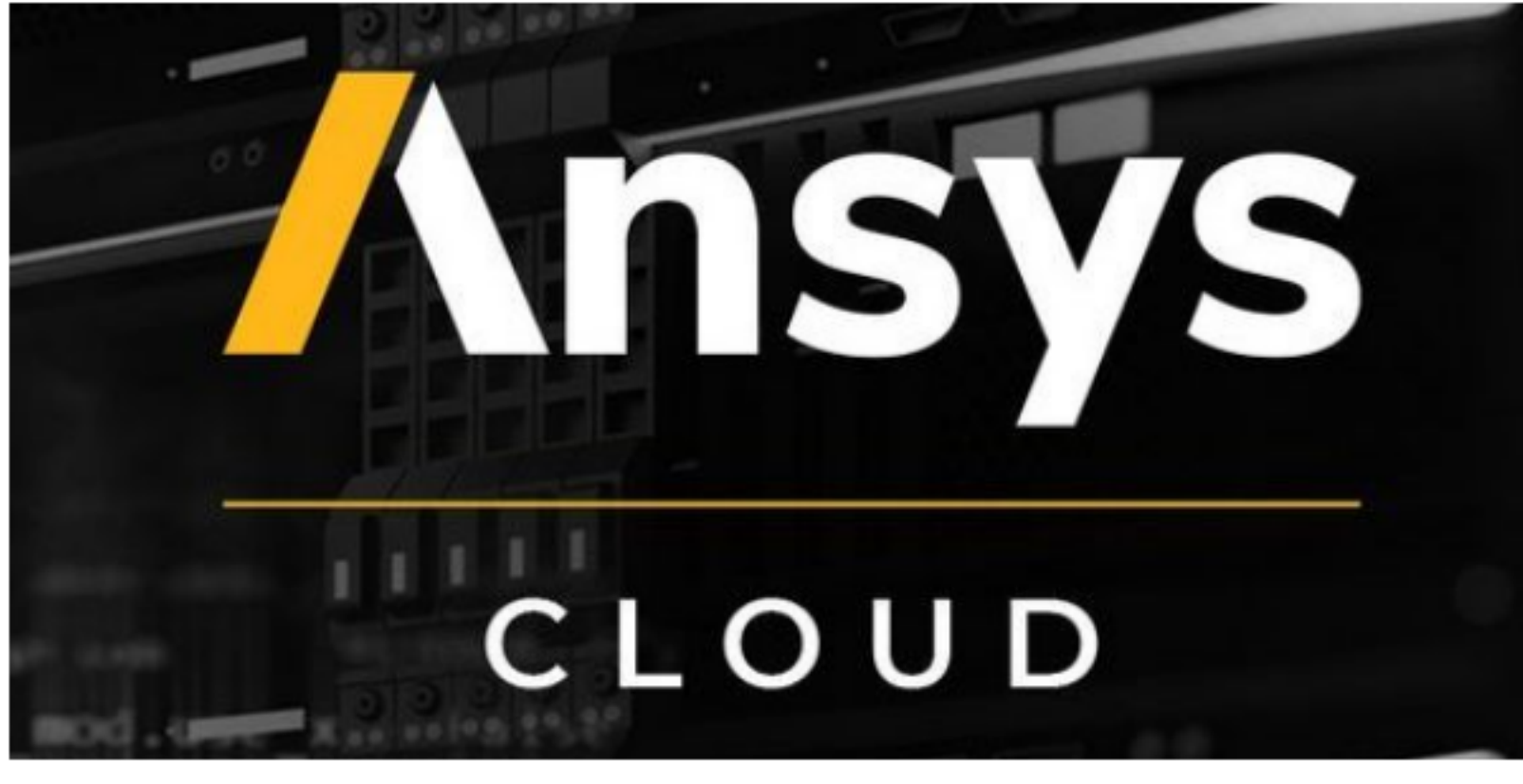


[Accelerating Simulation with High-Performance Computing in Ansys Cloud](#)

January 14, 2021 - 2:00 PM PST



In this webinar, we will cover the importance of access to High-Performance Computing (HPC) for Ansys simulations. We will show how Ansys can deliver access to cloud-based HPC via a turnkey solution embedded directly into your existing Ansys Software.

We will also cover the product updates and new compute cores delivered in the latest release of Ansys Cloud.

[Register](#)

[Ansys Automotive Webinar Series](#)



Learn from the leading automotive companies how they use simulation to drive innovation and enter the market with new technologies.

[Learn More](#)

Ozen Engineering in the News

Ozen Engineering, a leader in digital twin modeling, is pleased to announce that it will be assisting [Platform Aerospace](#), an industry leader in rapid aircraft and UAV modification, develop a digital twin solution for its Vanilla's final drive assembly.

The project is being funded by a SBIR contract from the Department of the Navy.

Platform Aerospace Prime Contract Award – NAVAIR NAWCAD, Vanilla UAS Digital Twin

December 15 (Hollywood, MD) - Platform Aerospace announces the award of a Department of the Navy (DON) Small Business Innovation Research (SBIR) Phase I prime contract to develop Digital Twin Technologies to Improve Mission Readiness and Sustainment.

Digital twin solutions are virtual twins of a physical product, and can be used to refine engineering designs, assist in predictive maintenance, and mock-operate a product in a variety of operational environments prior to actual fielding. For this SBIR, digital twin techniques will be applied to Platform Aerospace's Vanilla Unmanned UAS, a world-record holding ultra-long flight endurance ISR UAS.

*The digital twin solution will be developed with the assistance of **Ozen Engineering, Inc.**, an ANSYS certified Elite Channel Partner. The digital twin solution will produce a physics-based digital replica of Vanilla's final drive assembly that mimics actual conditions in a test environment. This model in turn gives the Platform-Ozen team the ability to predict and measure actual wear and deformation from operations, as well as document any variations caused by new parts being added to the aircraft.*

[Read more](#)

If you need to create a digital twin of your equipment, please contact us at info@ozeninc.com or (408) 732-4665 to discuss how we can help.

Did you know?

A bit of trivia to hopefully enlighten your day and amaze your family and fellow engineers.

Did you know:

- when water freezes it expands by 9%
- the average golf ball has 336 dimples
- 1 googol is the number 1 followed by 100 zeros
- if you add up all the numbers from 1 to 100 consecutively (1 + 2 + 3...) it totals 5050
- the word 'uncopyrightable' is the only 15 letter word that can be spelled without repeating any letter

More Upcoming Ansys Webinars

You can also view all of the upcoming webinars by visiting our [Training Calendar](#).

[Why Electrical Overstress Ranks High in the Failure Pareto](#)

January 21, 2021 - 8:00 AM PST

This webinar discusses the possible root cause of EOS failures, why it ranks high in the failure pareto, and how you can mitigate EOS failure risks.

[Ansys 2021 R1 Update: EMA3D Cable Faster EMC Solving for Large Systems](#)

January 26, 2021 - 8:00 AM PST

Join us for this webinar which showcases new Ansys EMA3D Cable features to help you streamline manual cable design.

[Ansys Maxwell in Ansys 2021 R1: More Detailed Simulation for Electric Drive Applications](#)

January 28, 2021 - 8:00 AM PST

Learn about new features in Ansys Maxwell, including a cyclic repeatability simulation technique for electric motor applications, a method to output transient electromagnetic forces from Maxwell into Ansys Motion, and a transient solver with multi-terminal conductor support on a single conduction path.

[Ansys 2021 R1: Embedded Software Solutions for Automotive](#)

January 28, 2021 - 8:00 AM PST

This webinar previews the latest SCADE enhancements in Ansys 2021 R1 and explores how you can integrate these features to substantially advance your embedded software development projects.

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