

Flying across the ocean with Siemens

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Luna Rossa Prada Pirelli America's Cup Team relies on Siemens Xcelerator Portfolio



The America's Cup is one of the world's most extreme sailing races in the world. At speeds over 90 km/h, the teams fly through waves to compete for the oldest sailing cup worldwide, with some of the most advanced vessels on the water. Every move is perfected and optimized to win, down to the smallest detail.

The Luna Rossa Prada Pirelli America's Cup team is using the Siemens Xcelerator portfolio of software and services to design, simulate and optimize many aspects of its racing yacht for the forthcoming America's Cup challenge (37th America's Cup).

Thanks to Siemens' innovative solutions, the team can design, analyze and evaluate all aspects of a boat's hydraulics and fluid-dynamic performance. Using Simcenter™ STAR CCM+™ software for example, the hull, foils, rudder and sails can be analyzed to understand how each surface responds to the changes in the project parameters.

Siemens Xcelerator as a Service enables a high degree of automation, so the Luna Rossa Prada Pirelli team can fully leverage the power of modern high-performance computing (HPC) clusters, running thousands of simulations per day to quickly explore the characteristics of new designs in different environmental conditions and to better cope with high speeds and difficult weather.

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<https://press.siemens.com/global/en/news/flying-across-ocean-siemens-luna-rossa-prada-pirelli-americas-cup-team-relies-siemens>

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Contact:

Siemens Digital Industries Software PR Team

E-mail: press.software.sisw@siemens.com