Published on *CD-adapco* (http://www.cd-adapco.com)

STAR-CCM+ Helps ORACLE TEAM USA to Win the 34th America's Cup

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New York and London. September 27, 2013

CD-adapco, the largest privately held CFD focused provider of Computer Aided Engineering software, congratulates ORACLE TEAM USA on winning the 34th America's Cup, in what many are calling the greatest sporting comeback of all time. ORACLE TEAM USA overcame an 8-1 deficit by winning 8 races in a row to claim a 9-8 victory in the 34th America's Cup.

CD-adapco is the Official Supplier of CFD software to ORACLE TEAM USA. STAR-CCM+ was used throughout the development process to refine the hydrodynamic and aerodynamic performance of their AC72 catamarans. Unlike previous contests, a loop-hole in the rules for the 34th edition for the world's oldest international sporting trophy allowed the wing masted catamarans to "foil" (sailing parlance for hydrofoiling) in which they literally fly on downwind sections, with both hulls above the water, supported by only slender rudders and dagger boards, achieving speeds of over 40 knots (46mph), providing both hydrodynamic and aerodynamic challenges for the design team.

The contest hinged on the design modifications made by ORACLE TEAM USA after going 8-1 down in the contest that led to them taking eight consecutive victories to win the first-to-nine contest. ORACLE TEAM USA's Head of CFD, Mario Caponnetto, who together with Francis Hueber and Michele Stroligo performed all of the CFD simulations of the AC72, confirmed that

STAR-CCM+ played a critical role in simulating these race winning modifications:

"It was really hard and until the very last day we used STAR-CCM+ to improve the speed of the boat," said Caponnetto. "It worked! Once again, we managed to win the America's Cup! I wanted to thank CD-adapco, on behalf of all the team, for the invaluable help that you gave us during these years. I hope the future will give us other rewards like this one."

About CD-adapco

CD-adapco (http://www.cd-adapco.com [1]) is the world's largest privately held CFD focused CAE provider. Our core products are the technology-leading simulation packages, STAR-CCM+ and STAR-CD. The scope of our activities, however, extends well beyond CFD software development to encompass a wide range of CAE engineering services in fluid dynamics, heat transfer and structural engineering. Our ongoing mission is to "inspire innovation and reduce costs through the application of engineering simulation software and services."

A privately owned company, CD-adapco has maintained 17% organic year-on-year growth over the last 5 years. CD-adapco employs 750 talented individuals, working at 30 different offices across the globe.

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CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation.

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