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ESTECO Joins Groupama Team France as an Official Supplier in the Race for the America's Cup

Engineers from the French team will leverage ESTECO's first-class optimization technology to maximize the hydrodynamic and aerodynamic performance of their catamarans

Trieste (Italy), 11th April 2016 – ESTECO SpA, a leading provider of **numerical optimization solutions**, is one of the official suppliers of **Groupama Team France**, providing its **best-in-class software** to perfect the design of Team France's high-performance foiling catamaran design. Led by Franck Cammas, Michel Desjoyeaux and Olivier de Kersauson, the French entered the competition for the 35th America's Cup less than a year ago and secured its **first victory in ACWS last February in Oman** skippered by **Adam Minoprio**. The road to the final America's Cup race in 2017 in Bermuda is still long and the engineering software tool the teams choose could be the game changer in the battle for challenger selection.

As **design specifications get tighter** and time for physical testing becomes shorter, **engineering technology** is increasingly crucial in the race for the America's Cup. “Before moving out to high sea, the competition for the oldest trophy in international sport starts from the **designer's desktop**. – explains **Carlo Poloni, President of ESTECO** – The more sophisticated the software engineers have at their disposal, the quicker they will find the **best design solutions**”.

ESTECO technology, also used **by the Luna Rossa team** in the past and by **Ben Ainslie Racing** team in the current edition of the America's Cup, helps designers make the most out of their simulation data and perform advanced optimization processes in order to refine design parameters. “With a large number of **one-design components** – explains **Carlo Poloni**, President of ESTECO – significant differences between the boats aren't feasible anymore. That's why even the **smallest detail can make the difference**”.

Martin Fischer, Groupama Team France's Design department:

“A part of the teams that make up Groupama Team France, Andrea Vergombello is working with ESTECO's modeFRONTIER on the optimisation of the foils. The tooling enabling us to optimise all the components on a particular model is something we use for the foils, as well as the wing and the structure.”

Andrea Vergombello, an engineer within Groupama Team France's design office:

“I began using modeFRONTIER in 2015 when I worked for Luna Rossa. Since that time, the optimisation loop has been further honed. In relation to other optimisation tooling modeFRONTIER has the advantage of a particularly intuitive user interface, good graphics management, simultaneous control of several processes and the availability of a support service. Added to that, it's very easy to switch from one optimisation strategy to another to test the different possibilities.”

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More details on CFD optimization related to the hydrofoil performance will be presented by Andrea Vergombello - engineer within Groupama Team France's design office - at the upcoming modeFRONTIER International Users' Meeting to be held on 17th-18th May, 2016 in Trieste (Italy). um16.esteco.com

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About ESTECO SpA

ESTECO is a pioneer in numerical optimization solutions, specialized in the research and development of engineering software for all stages of the simulation-driven design process. Perfecting engineering and reducing complexity in the design process is our vision. Founded in 1999, the company is headquartered in Area Science Park in Trieste (Italy) and currently employs 40 professionals and serves more than 250 international clients including BMW, Daimler, Ferrari, FIAT, Ford Motor Company, Honda, Mazda, Toyota. modeFRONTIER, the company's key product, is a multidisciplinary and multiobjective optimization platform capable of streamlining the engineering process through innovative algorithms and integration with leading simulation software. In numerous industries, modeFRONTIER has become essential to increasing the understanding of cost/performance factors and reducing product development time. www.esteco.com

About Groupama Team France

In 2013 Franck Cammas, Michel Desjoyeaux and Olivier de Kersauson created Team France. Together, they decided to develop French excellence in the best there is in terms of racing and technology: the America's Cup. Won by the Americans from Oracle Team USA in 2010, the oldest sporting trophy in the world has made a revolutionary change and is now contested aboard the fastest boats in the world: multihulls flying on foils propelled by a fixed wing.

Scheduled to take place in May and June 2017 in Bermuda, the 35th edition of the America's Cup will be won by getting France's best sailors, engineers, naval architects and boat builders collaborating as one. It is a challenge that is equal to the ambitions and the expertise of the team, based in Lorient, Brittany, that today goes by the name of Groupama Team France.

modeFRONTIER is a product of ESTECO SpA

Source: ESTECO