

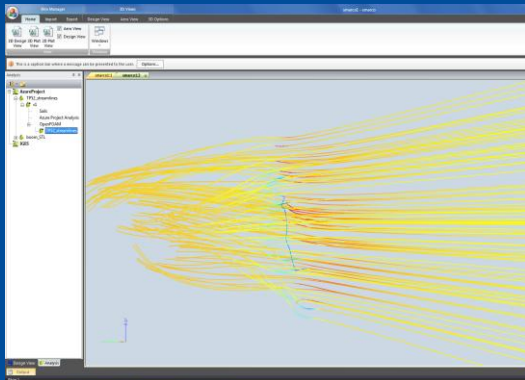
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Working with The Wolfson Unit and Clay Oliver



Since 2010, SMAR Azure has been working with Andy Cloughton (ACRM Design Coordinator) and Clay Oliver (WinCup Developer) to develop Brio the data management software to allow yacht, sail and rig designers to work together by exchanging data in a seamless and accurate manner.

Among the capabilities that this supports is Advanced Aerodynamic Analysis: The OpenFOAM CFD Toolbox has been developed by the Wolfson Unit and is hosted on the University of Southampton High Performance Compute Facility. This Numerical Wind Tunnel solves complex fluid flows (such as 'downwind sailing') on any type of sails. With brio, the AzureProject sail designers can configure their sail geometry and send the sail mesh ready to be analysed in OpenFoam

AzureProject – Users' Experience



'I think it is really important that sail design software not only gives us the ability to design fast sails but also addresses the building of sails, because time is money! AzureProject made this possible.

In the picture, an aspinn that I was particularly pleased with for an Arcona 430'built using Dimension Polyant's new RPN fabric

Chris Owen – Owen Sails

I am very pleased with the quality of the sail designs we are producing with Azure Project. Most of all your responsiveness and attention to my needs is remarkable.
Ben Sperry, Sperry Sails



Mandarin's Great Set of New Sails.

Designed by Hood Sails Inc, using AzureProject, the world famous sail-design software

Mandarin sails in Cape Cod, Massachusetts US



In the picture (courtesy C. Muckle) the **Poseidon Aspin** that you so greatly helped us to prepare for printing at SailPrint.eu last year. It is great looking! The main and jib is our new F18 PE05 3.0 mil Injection fabric.

Kenneth Madsen, Dimension Polyant -US

Meeting the SMAR Azure team: Francesco Nasato, R&D team

A member of SMAR Azure R&D team since the 2009, Francesco supports the AzureProject and RigEdge users. He also actively participates in the development of the analysis codes



used to optimize the sail and rig designs.

Francesco was awarded an MSc in Yacht Design (in Venice) after graduated as Aerospace Engineer at the University of Padova, and has been part of the winning crew at a number of Grand-Prix regattas.

"I enjoy the balance between time spent improving the performance analysis code and time spent supporting our customers."

"When I am racing I look very closely at the shape of the sails. I take inspiration from being out on the water and looking at the flying sail shape. Many of the sails I race with come from our clients and I am able to appreciate the different styles of the sail makers. This helps my understanding of the needs of the clients and the way Azure Project is used. I enjoy transferring my knowledge to our clients so that they are able to become more confident using the software."

"Supporting our customers from when they start to use the software, or when they design and seeing sails come to life as they have envisaged is very rewarding", says Francesco.

"At the same time, it is very interesting to interact with our Beta-Testers user group to understand how our design and analysis tools could be improved and which features we need to add to have a comprehensive analyses (CFD + FEM/FEA) toolset."