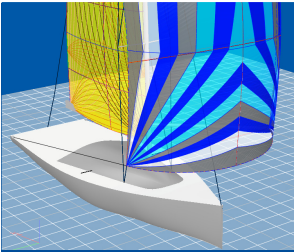


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**AzureProject  
New Features**

1. High Design Performance: calculations of panels, measurements are faster for all sails

Renderings are realized in a second!

2. Rig Design: added runners and check stays, multiple sets of diamonds, inverse diagonals

3. Improved panel development for downwind sails thanks to a better approximation of the designed sail surface.

**1<sup>st</sup> Azure Project User Group Meeting**

Where: *Amsterdam - RAI*

When: *14 Nov 2011*



SMAR Azure is pleased to invite Azure Project users to participate in the first **Azure Project User Group Meeting** to be held in coincidence with the forthcoming **METS-2011**.

The meeting aims to become a premier forum for discussing the software's future developments and provides the opportunity for an open debate on issues and techniques to better use design and analysis tools.

Participants will learn about the latest developments of AzureProject, review upcoming improvements with Dr. Donald MacVicar and network with other users.

**Join us for the 1st User Group meeting!!!**

**AzureProject – Users' Experience**



*"We are pleased to work with AzureProject. Our sails become better and better! Our work is now more pleasant and more interesting!"*

**Alexander Mukhin - UA Sails (UKR)**

*Courtesy of UA SAILS*



*Courtesy of Ian Short Sails*

*"We are extremely happy with AzureProject and the accuracy and smoothness of all the sails we have designed and developed.*

We have found **AzureProject has cut down the design and development time by 15%** which is a huge gain in any business. Now we have designed a few sails, we find that using AzureProject keeps getting Quicker, Easier and Better for each sail.

A big thanks to all the SMAR Azure team in helping us get started and all the continuous help you have provided along the way.

**Kurt Warner and Ian Short  
Ian Short Sails Sydney AU**

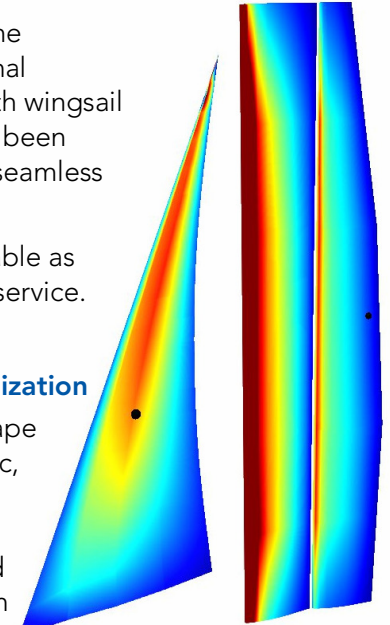
**The AC 72 Design Solution**

SMAR Azure Ltd is the developer of a rational approach to deal with wingsail plan design that has been incorporated into a seamless design workflow.

The solution is available as both a product and service. It includes:

**- Sail Design Optimization**

Optimizing a sail-shape involves aerodynamic, structural and aeroelastic analysis. SMAR Azure method integrates sail design and all analytical phases.



**- Fibre layout optimization**

Using this integrated method to predict forces and stresses on a flying sail shape, SMAR Azure can design fiber layouts that are light, flexible and yet capable to hold shape in the most challenging sailing conditions.

**- Wing Preliminary Design**

Optimizing a sail-wing plan involves aerodynamic, structural and aeroelastic analysis. SMAR Azure can develop a faster sail-wing plan able to maximise the wing lift and minimise the weight.

**- Rig Preliminary Design**

It is possible to define the initial dimensions of spars and standing/running rigging. The AC72 solution allows calculating rig loads, mast-bend and luff-sag.

**- VPP: Aero Coefficient Inputs**

The AC72 solution allows calculating the sail plan's total forces, momentum and center of effort. These data are ready to be used by VPP tools.