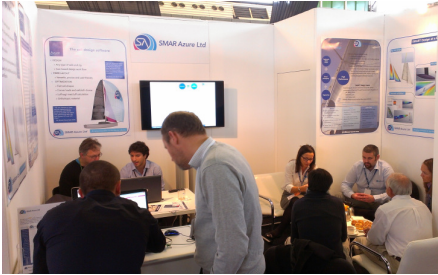




**METS2013**



SMAR Azure THANKS all visitors to our stand and all attendees of our open talks and 3<sup>rd</sup> AzureProject User Group meeting. Special thanks to our guest speakers: **Mr. Fiorenzo Spadoni (RINA Service SpA.) and Mr. Chris McMaster (DOYLE Sails NZ).**

**AzureProject v4.3 now released**

New features include

- Enforce Girth for all sails
- 3D measurement tool
- Enhanced automatic mesh sizing
- Cosine mesh distribution for better aerodynamic analysis
- Reefed view of the sails
- Advanced Production sheet

**3<sup>rd</sup> AzureProject User-Group meeting: Amsterdam, 18 Nov'13**

Over 30 designers from all around the world participated in the 3<sup>rd</sup> annual AzureProject User-Group meeting. The meeting was chaired by Mr. Chris Owen and offered the opportunity for an open discussion regarding future software developments. AzureProject users also learnt about our latest advances in sail design technology and development of new analytical features.

SMAR Azure will be closed on the 25<sup>th</sup> and 26<sup>th</sup> Dec'13 & 1<sup>st</sup> and 2<sup>nd</sup> Jan 2014

**RINA's RIG Rules presented by Mr. F. Spadoni –Pleasure Vessels Manager-RINA Service Spa**



On Tuesday the 19<sup>th</sup> of Nov, SMAR Azure hosted the presentation of the RINA's Rig Rules, by Mr. Fiorenzo Spadoni.

The new rules are based on the validation of the rig structure under tuning, sailing and dynamic loads. In order to develop its new analytical approach, RINA used RigEdge. Rig Edge is the only rig design and analysis tool able to calculate the influence of dynamic loads on the rig, in addition to tuning and sailing loads.

**RigEdge v2.3 now released**

New features include

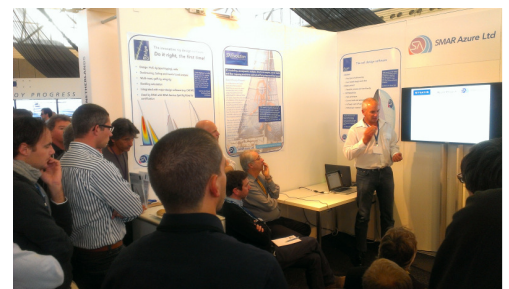
- Analysis extended to:
  - Split forestays
  - Split backstays
- Area of sail displayed
- Foresail Tack Offset:
- Auto Halyard load evaluation
- Halyard Lock per each sail:
- Weighted cable ends to represent fittings, bolts, etc

**Chris McMaster, Doyle Sails NZ managing director**

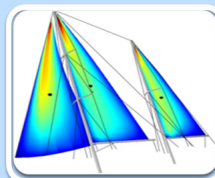


For the past two years, Doyle Sails NZ has been using SA Evolution, SMAR Azure proprietary technology that brings about an effective scientific approach to fiber layout design. Thanks to the fully integrated AERO STRUCTURAL and AEROELASTIC analysis tools, Richard Bouzaid, - chief designer at Doyle Sails NZ – is now designing fast, light and yet strong STRATIS sails.

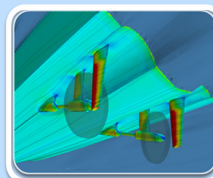
Chris McMaster explained how the use of in-house simulation tools enables Doyle NZ not only improve its final product, but also to develop an in-depth understanding as to how to interpret a series of analytical results – including the effect of corner loads, strain/stress direction/value, the influence of battens, and the sail & rig interaction.



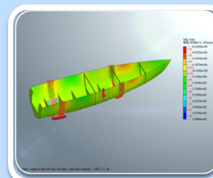
**LAUNCH of the SMART DESIGN Platform**



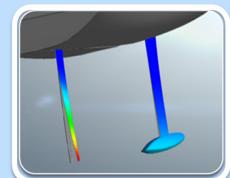
PRELIMINARY DESIGN



Computational Fluid-Dynamic



Structural Analysis



FLUID-STRUCTURE Interaction