

Bringing Innovation to the Marine Industry

Meet SMAR Azure!

Sept – Nov 2015



MONACO YACHT SHOW
an Informa business

23rd September 2015

Sabrina Malpede and Alessandro Rosiello, Directors of SMAR Azure, will attend the show on the opening day – 23rd Sept 2015.

Please contact Sabrina to set up a meeting with the team.



METS TRADE NOVEMBER 17-18-19 2015

METS 2015

STAND 05.329

We look forward to meet you at our stand – now exhibiting at the HEART of the METS show.

We look forward to meet you there!

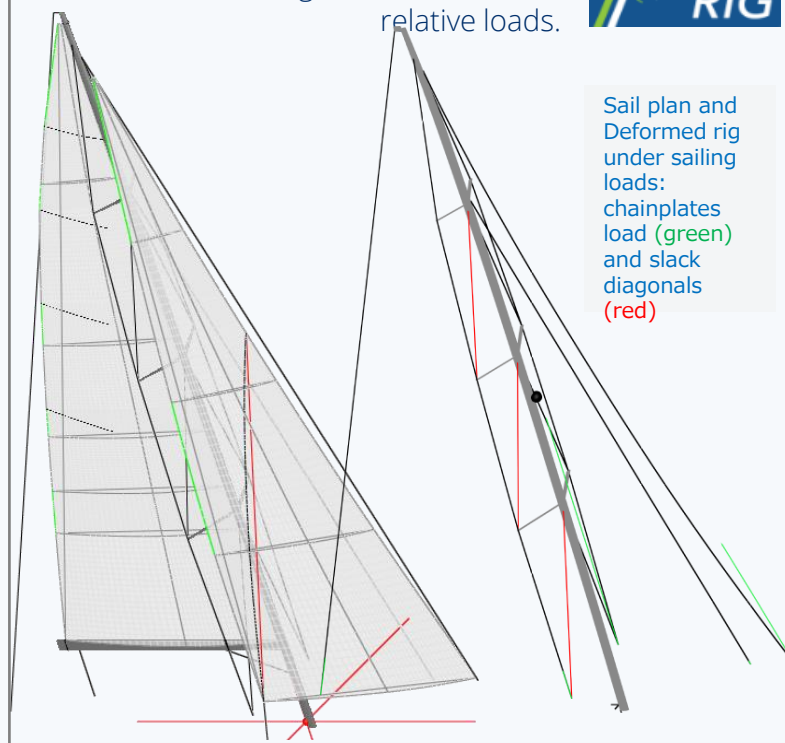
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The Rig Design Software

RigEdge enables rig and yacht designers to quickly define the rig's dimensions, evaluate the sailing loads on the rig and calculate the rig's deformation and relative loads.



Sail plan and Deformed rig under sailing loads:
chainplates load (green) and slack diagonals (red)

RINA (Italy) and Lloyd's Register (UK) have adopted RigEdge to certify rigs, according to the Sailing Rigs certification under MCA LY3 code.



RigEdge latest news!

The latest version of RigEdge, which will be unveiled at the Monaco Yacht Show, not only further improves the design and analytical tools but also adds exciting new features:

- SPAR COMPOSITE LAYUP** exported as Excel file
- Improved sailing loads application on the rig routine
- NEW PREMIUM Feature: SAIL-IGES-File import**
This feature allows to import on a rig a sail shapes as IGES file. RigEdge will let you evaluate the sailing loads and their impact on the rig

DESIGN AND ANALYTICAL SERVICES

SMAR Azure offers expert professional services to help yacht designers move from concept to final design and further to advanced structural analysis. We combine our integrated sail-rig-boat design technology, with advanced FEM/FEA (midas NFX software) and CFD Ransce tools.

Rig and Sail-Plan Design

Optimal sail and rig plans are developed through an accurate evaluation of sail coefficients in a variety of sailing/trimming conditions and by varying the sail's geometry

Yacht Fluid-Structural Interaction

Accurate calculation of the hydro/aero forces (via CFD Ransce) acting on yachts and relative deformation, via advanced structural (FEA) and fluid-structural analysis (FSI). The result is high performance, which could mean structural integrity, low noise, low fuel consumption, speed depending on the customer needs.

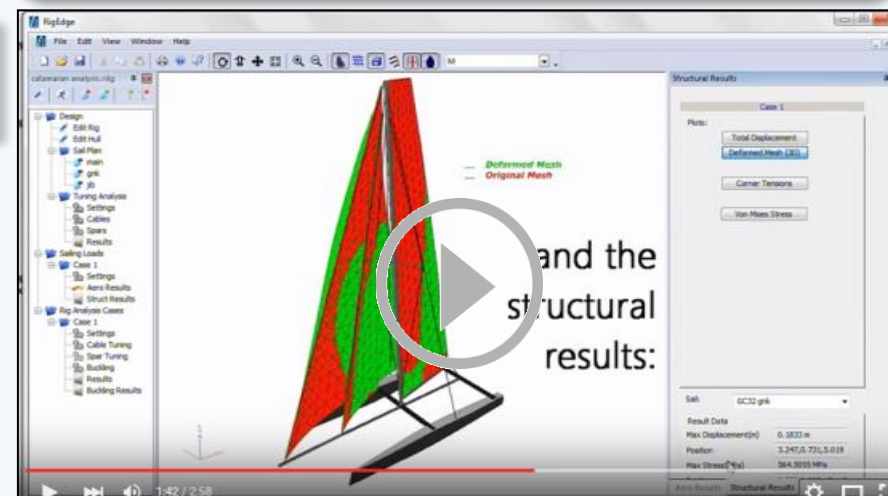
Rig Analysis

Taking into account dock tuning conditions and sailing loads on rigs, SMAR Azure can measure:

- Rig global strength, by assessing:
 - Strength of running /standing rigging
 - Stress in the mast tube
- Chain-plates loads
- Rig Natural Frequencies

If needed SMAR Azure can also:

- Analyse the impact of dynamic loads, including compliance with the classification societies' guidelines for Sailing Rigs certification, under MCA LY3 code;
- Design and analyse Gaff rig and Multi-mast rig configurations



[Download RigEdge brochure](#)

[Request RigEdge demo](#)