



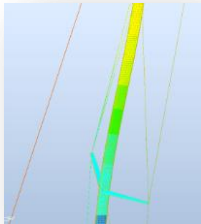
## Rig and Sail-Plan Design

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

## Rig Analysis

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

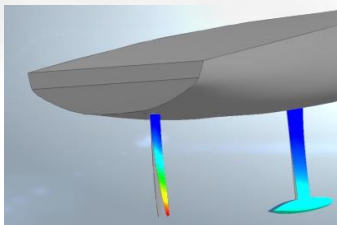
- Rig global strength, by assessing:
  - o Strength of running and standing rigging
  - o Stress in the mast tube
- Chain-plates loads
- Rig Natural Frequencies
- GAFF rig design and analysis
- Multi-mast rig configurations



## Yacht Fluid-Structural Interaction

Accurate CFD calculation of the hydro/aero forces 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 or endurance, depending on the customer needs.



[More info here](#)

## RigEdge- improves rig design and analysis

The latest version of RigEdge adds important design and analytical features, making RigEdge more easy and quick to use.

Its upgraded user interface facilitates the design of **multi-hull rigs** by means of two features:

- The 'diamond rig' feature helps creating a new rig
- The new option to add multiple cap-shrouds allows the user to easily realise cathedral-type rigs.

The tuning process has also been simplified. Using the **Autotuning with Final Tension**, it is now possible to run the analysis on the basis of the exact tension the designer wish to achieve. As a result, the time required for tuning the rig is dramatically reduced.



### RigEdge some users



### 12-months license options

Beside the traditional PERPETUAL LICENSE option, it is now possible to purchase an ANNUAL License of both **AzureProject** and **RigEdge** (12 months).

The ANNUAL license fee includes our Maintenance & Support service, which means bug fixing, free software updates & dedicated technical support via Skype/email/phone & e-ticket system.

The ANNUAL License option offers important advantages: not only are the Maintenance and Support services included, but moreover, if the annual rent is renewed for 2 consecutive years, the license will become perpetual!!