SMAR Azure Ltd

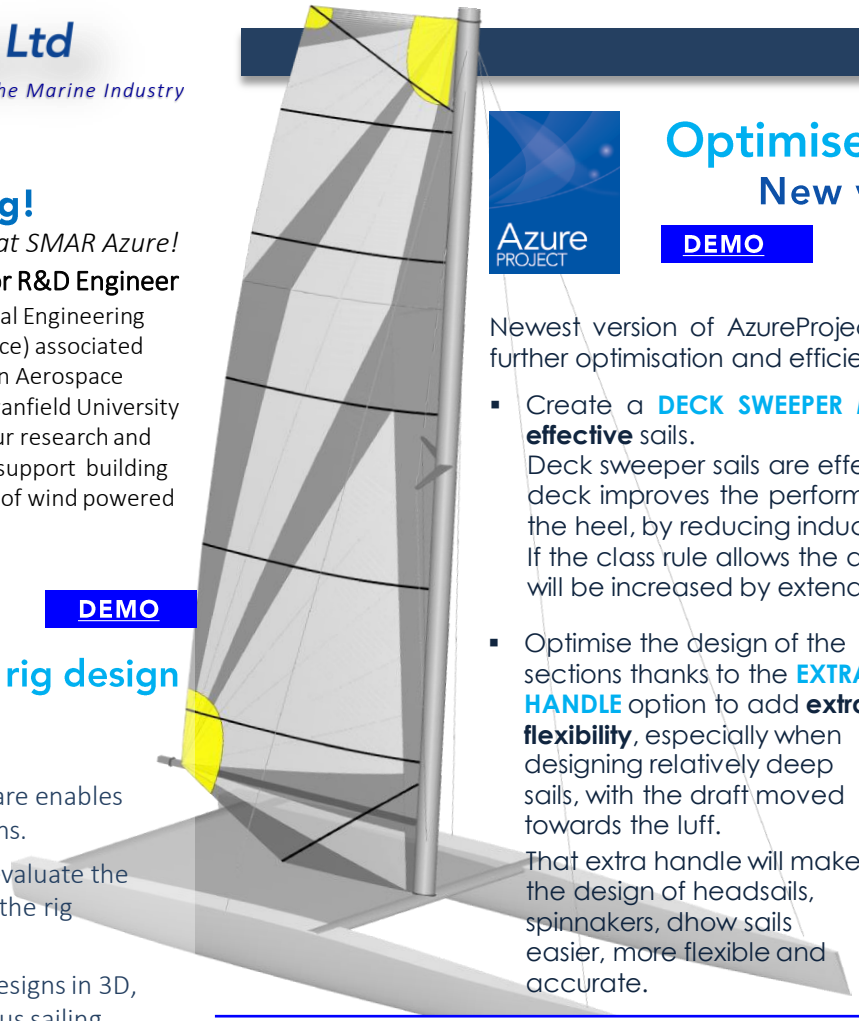
Bringing Innovation to the Marine Industry

Our team keeps growing!

Meet Loris- our new team member at SMAR Azure!

Loris Pergod – Junior R&D Engineer

He holds MSc in General Engineering from ECAM Lyon (France) associated with a master degree in Aerospace Vehicle Design from Cranfield University (UK) . Loris is joining our research and development team to support building of the new generation of wind powered marine structures.



RigEdge

DEMO

Fully integrated rig design & optimisation

- ☑ This unique and innovative software enables to rapidly define the rig dimensions.
- ☑ The robust analysis tools quickly evaluate the sail loads on the rig and calculate the rig deformation and relative loads.
- ☑ You can evaluate alternative rig designs in 3D, by assessing performance in various sailing and tuning conditions, saving time & money!

NestFab

DEMO

Automatic Nesting Software

NestFab v.2 is fully integrated with the AzureProject allowing AzureProject user to have panels and patches automatically nested within seconds with only one click (typical performance is 85% of cloth usage) saving time and cloth.

Optimised and effective sail design

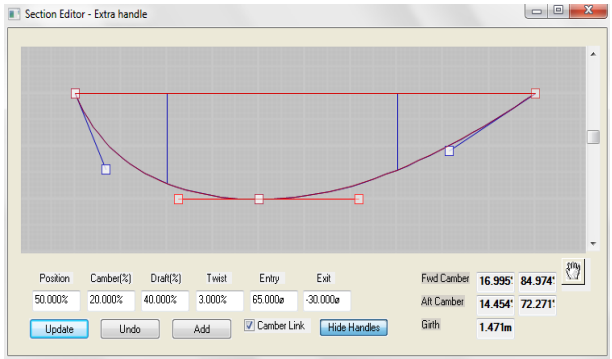
New version preview of AzureProject

DEMO

Newest version of AzureProject brings major updates, which will increase further optimisation and efficiency of the sail design. Latest features include:

- Create a **DECK SWEEPER MAINSAIL** which allows to design **extremely effective** sails.
  Deck sweeper sails are effective because the seal between the sail and deck improves the performance of the sail (driving force), regardless of the heel, by reducing induced drag.
  If the class rule allows the deck sweeper option, the **efficiency of the sail** will be increased by extending the sail down to the trampoline.

- Optimise the design of the sections thanks to the **EXTRA HANDLE** option to add **extra flexibility**, especially when designing relatively deep sails, with the draft moved towards the luff.
  That extra handle will make the design of headsails, spinnakers, dhow sails easier, more flexible and accurate.



The 22nd Chesapeake Sailing Yacht Symposium

18-19, March 2016 | Annapolis, MD, USA

We are delighted to announce that "Fully Integrated fluid-structural analysis for the design and performance optimization of fiber reinforced sails", paper by SMAR Azure team (Dr S.Malpede, Dr D.MacVicar & F.Nasato) written in collaboration with Paolo Semeraro (Banks Sails Europe) has been accepted into the 22nd Chesapeake Sailing Yacht Symposium (CSYS) - the world's longest running technical forum dedicated to advancing the study of the art and science of sailing yacht design technology.You can find more info and register for the symposium here

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