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## Smar Azure & Covid-19

Dear All,

This is an unprecedented time for everyone, and it's time of great stress and uncertainty for the future. First we wish that you and all your loved ones are safe and well.

We would like to say that at SMAR Azure, we have rolled out special measures to ensure our team's health and safety by closing the offices and asking everyone to work from home. This new operational set up has guaranteed no disruption or reduction to our work providing support services to our global community of users. We are striving to carry on providing the high-quality service that you are used to.

At SMAR Azure, we are also thinking on how best to keep supporting the development of our customers and are looking into new opportunities, which we hope will help. We aim to be in touch with our community soon as we look to launch a series of webinars. We are aware that Covid-19 may affect yachting practice, but we are also optimistic that there will be new ways of operating that will help the passionate sailors.

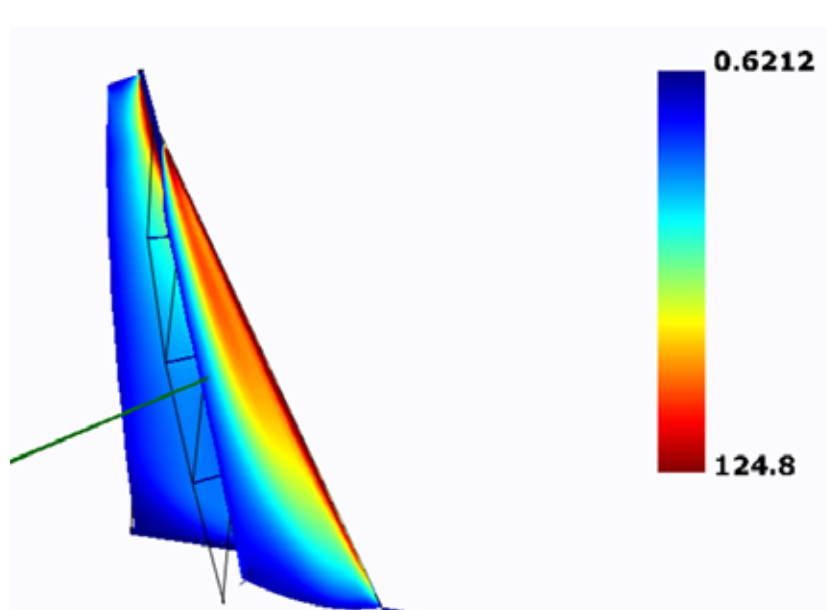
For now, please take care of yourself and your loved ones.

Sabrina and Donald

## SA EVOLUTION IN ACTION - 3FL Saildesign, ITALY 1st & 2nd place at 2 world competitions

3FL Saildesign were requested to design, develop and optimize the sails for a new futuristic class that was to participate in the Swan 50 challenge.

They chose to use a new tool, which has now become crucial in the design of every sail they produce: **SA EVOLUTION by Smar-Azure Ltd**. SA Evolution is an extension of the structural analysis module (FLEX), allowing the study of fibre membrane sails. Starting from the aerodynamic analysis, treating the sail as a membrane, the effective deformation of the sail considering the layout of the fibres, x-ply, film and glue is calculated.

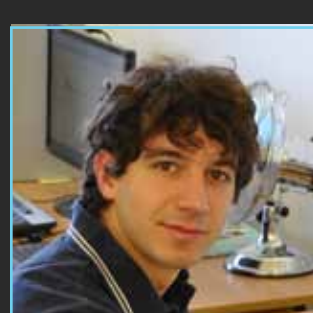


This enabled **3FLSaildesign** to compete at the highest level and succeed in the following prestigious regattas:

- The Nation's Trophy, 2019, **1st place** (tied with Lion heart)
- Monaco Club Swan 50 Trophy, **2nd place**

Congratulations 3FLSaildesign team, Francesco Cruciani & Diego Morani, and good luck in your next competitions!

[Read full story - CLICK HERE](#)



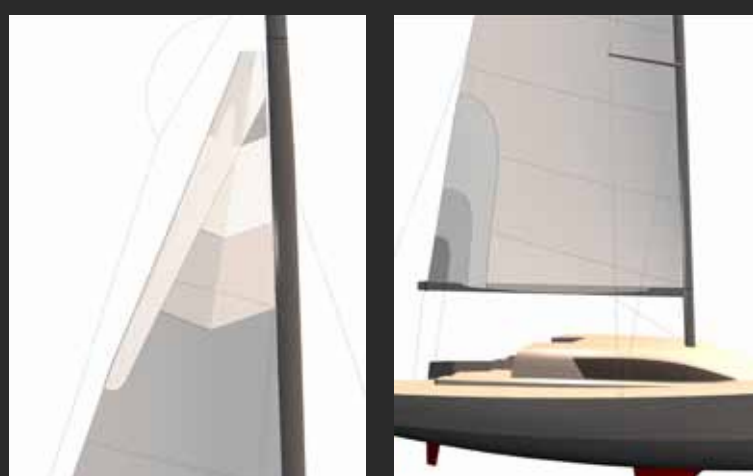
### FRANCESCO'S CORNER: AZURE PROJECT TIPS

## Stack Patches: The Importance of ALIGNMENT & SLICING

When adding stack patches to a sail two goals should be kept in mind: material alignment, to improve the structural performance of the sail and nesting efficiency to optimize material usage keeping costs down. Azure Project includes stack patch options that support both:

#### Alignment:

The alignment of stack patches is set directly in the design phase, keeping the most tensioned edge oriented to the stiffer direction of the chosen material. The alignment can be set relatively to each edge of the corner of the patch or relatively to the bisector. On a fill-oriented material, the alignment would typically be perpendicular to the selected edge, while for a warp-orientated material parallel to the selected edge is more likely.



#### Slicing:

Large stack patches may exceed the roll width. To alleviate this the stack patch can be sliced into fixed width parts using the "stack alignment settings" tab. The user enters the maximum width of the material including the requested seam allowance. The full patch is then sliced automatically and aligned parallel to the seam, ready for cutting and assembly.

If you have any questions, or you would like to know more about any features, please contact us at [support@smar-azure.com](mailto:support@smar-azure.com)

**Francesco Nasato**  
Support Engineer  
SMAR Azure



## THE NEW AZURE PROJECT 6.2.0.7 Check all the new features & bug fixes

We are continuously working on our softwares and our focus is on delivering a software that is not only user-friendly and fast to use, but also very accurate.

#### New Features:

- New options for designing full batten layouts making it faster and more accurate to achieve the desired result.
- Tapered Seam widths for cross-cuts to enable in seam batten pockets even for short length battens quickly and effectively

#### Improvements:

- Seam layout updates are visualised in real-time making creation of panel layouts faster and more accurate
- Adding custom material in the material library
- Improved panel development for some specific cases
- Improved precision on spinnaker girths



**TRY AZURE PROJECT DEMO**



**SMAR Azure Ltd**

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