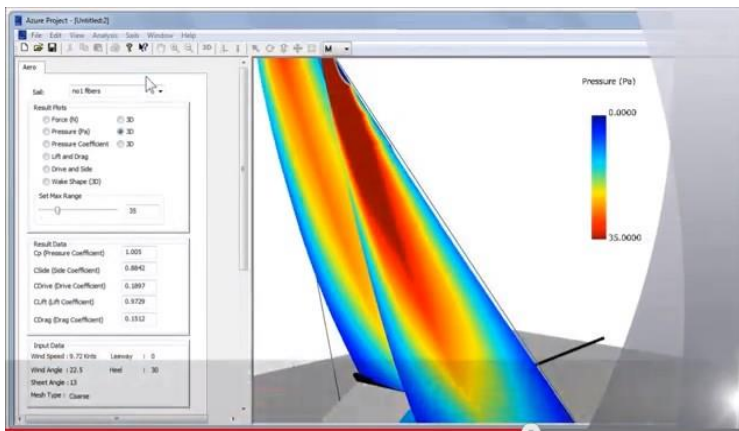## AzureProject: the sail design, fiber layout and performance analysis software



Click on the image above to start a video showing the AzureProject main features

AzureProject is a completely integrated software package for sail designers and sailmakers.

It enables sail designers to work methodically through the various steps of rig modelling, sail mould shape design, panel layouts, corner patches, sail details, fibre layouts, and aeroelastic analysis.

The user-friendly and modular software can be purchased in its various individual modules, according to the individual sail loft needs.

Standard versions include all the tools necessary to design panel sails and/or fibre layouts.  Advanced versions comprise analysis modules (CFD, structural and aeroelastics) to achieve peak performance with your panel sail designs.

### 12-months license options

Beside the traditional PERPETUAL LICENSE option, it is now possible to RENT AzureProject annually (12 months).  The ANNUAL license fee includes Maintenance & Support services, which means bug fixing, free software updates and dedicated technical support via Skype/email/phone & e-ticket system.
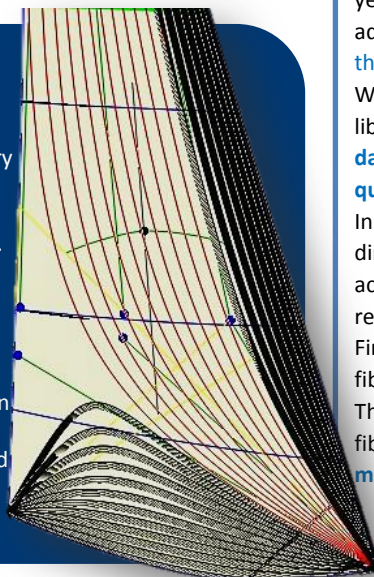
The ANNUAL License option offers important advantages: not only are the Maintenance and Support services included, but moreover, if the annual rent is renewed for 2 consecutive years, the license will become perpetual!!

## Under the spotlight

**AzureDesign** is the robust and complete sail design software.  User can model hull, coach-roof and rig. It provides all of the tools necessary to design mainsails, headsails and spinnakers , do any type of panel and patches layout and display the entire sail-plan on the hull/rig in 3D.

**AzureProject** incudes all AzureDesign features. In addition, users can design custom fibre layouts using any number of fibre paths, groups of paths, and fibres per path. Designate the individual denier and modules of the chosen fibres, mix and match these in custom fibre arrays, and monitor the resulting DPI, calculated anywhere you choose along the sail surface

In the picture:  fiber layout shaping tools



## AzureProject – USER view

### Mr. Renzo Sorci, designer at Olimpic Sails (ITA)
### www.olisails.it

Italia 10.98 (by M. Cossutti), sails  Olimpic Sails ,  courtesy Olimpic Sails



Since 2006, Olimpic Sails has been using AzureProject, because we saw the great potentials of the software developments being driven by a team formed by aerospace, and software engineers.

AzureProject is very accurate and lets us achieving the sail-shape we want thanks to the very accurate and versatile and yet very user-friendly design features.  Moreover, the ability to add all possible manufacturing details, including logos makes the **production process very smooth and simple.**

We consider essential for our daily operation the AzureProject library option: I can save moulds, panels, fiber layout! **Every day, designing new sails is very rapid without risking the quality of my sails!!**

In addition, AzureProject is a **powerful marketing tool**: its 3-dimensional graphics not only help me review the sail accurately, but moreover it allows us to show our customer a realistic representation of the sail before buying it!

Finally, we use the fiber layout tool to design and manufacture fiber-reinforced membrane sails here at our factory in Muggia. The various features available for designing and controlling fiber layout, make of **AzureProject an essential tool to run our membrane production.**

Since 2006, we are enthusiastic about AzureProject!

*Renzo Sorci, renzo.sorci@olisails.it*