



**SMAR Azure Ltd**

Bringing Innovation to the Marine Industry

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SMAR Azure Newsletter | June 2018

NEWS

- We are proud to announce that we won “Best Business in Edinburgh” at the Scottish SME Business Awards.
- We released **AzureProject** version 5.4.0.1 and **RigEdge** version 3.2.0.21, which include various bug fixes and new features, discussed in more detail below.
- The **AzureAgent** app will soon have language support for Italian, French and Spanish. Keep an eye out for updates!
- We welcomed a new colleague! Onisim is our new Admin Assistant, and some of you might have heard from him via email already. He’s here to help us in our day to day office work, as well as assisting our marketing efforts.
- We’ve updated our Privacy Policy, to comply with GDPR requirements - you can [read it here](#).



Ed Whipp, our R&D Engineer, receiving the award on behalf of SMAR Azure at the Scottish SME Business Awards

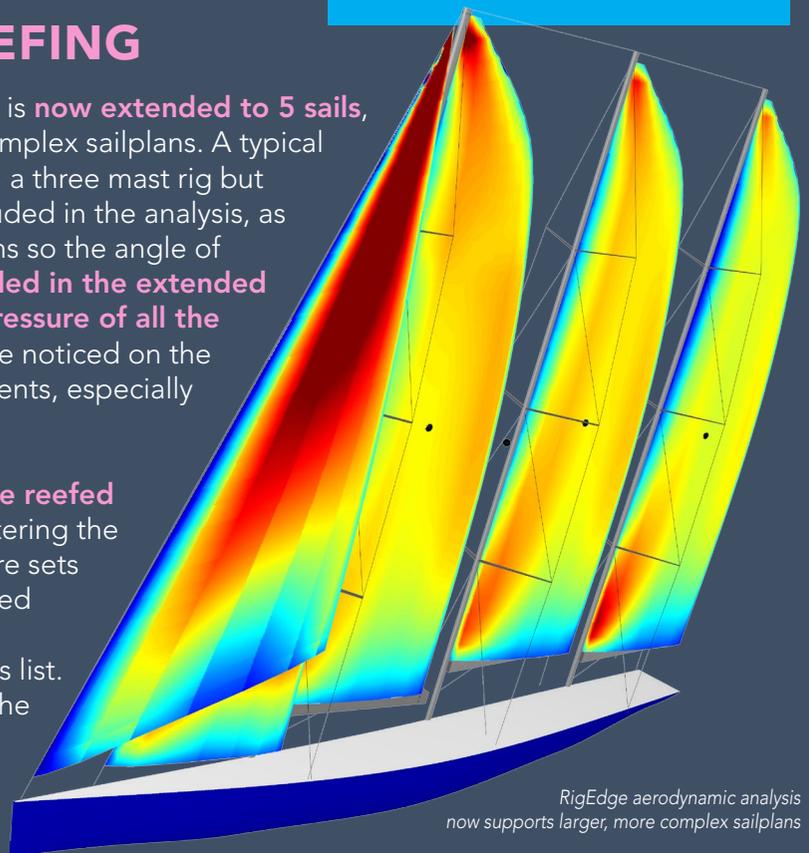
# RIGEDGE - NEW FEATURES

- > FIVE SAILS ANALYSIS
- > DIRECT MAINSAIL REEFING

The aerodynamic analysis in the new RigEdge version is **now extended to 5 sails**, boosting the analysis capabilities of very large and complex sailplans. A typical configuration might be 2 headsails and 3 mainsails on a three mast rig but there is no limit on the type of sails which can be included in the analysis, as long as the analysis is performed on upwind conditions so the angle of attack to each sail is relatively narrow. **Each sail included in the extended aerodynamic analysis influences the air flow and pressure of all the other sails in the same analysis.** The influence can be noticed on the pressure distribution and on the aerodynamic coefficients, especially on overlapped sails.

Furthermore in the latest version, the **mainsails can be reefed directly on the settings page of the analysis**, by entering the reduction of the luff in percentage values. The software sets the reef on the sails parallel to the foot at the requested position and performs the analysis on the reefed sails together with any other sail as specified in the settings list. This eases the design process avoiding the need for the reefed sail to be designed as a separate sail.

DOWNLOAD RIGEDGE DEMO



RigEdge aerodynamic analysis now supports larger, more complex sailplans

## AZURE PROJECT - A VIEW FROM... CHARLES-EDOUARD BROC INDEPENDENT SAIL DESIGNER

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AZUREPROJECT  
DEMO

**Charles-Edouard BROC** has been involved in the sailmaking market since 1987. Since 1990 he has worked as a sail designer for many different lofts, with a five year break, during which he represented a Chinese sailmaker. Since the start of this year he is working both as an independent sail designer and business sales representative for an outsourced sailmaker. Talking about **AzureProject**, he says:

"I use **AzureProject** for my work, including the rig and gaff sail option. In addition I have bought one license of **Azure Vision** to improve the communication with sailmakers and their customers.

**AzureProject** is very powerful and accurate and helps me improve sail shapes, as well as compare different versions of a sail. The rig option combined with **Azure Vision** makes the communication with clients better.

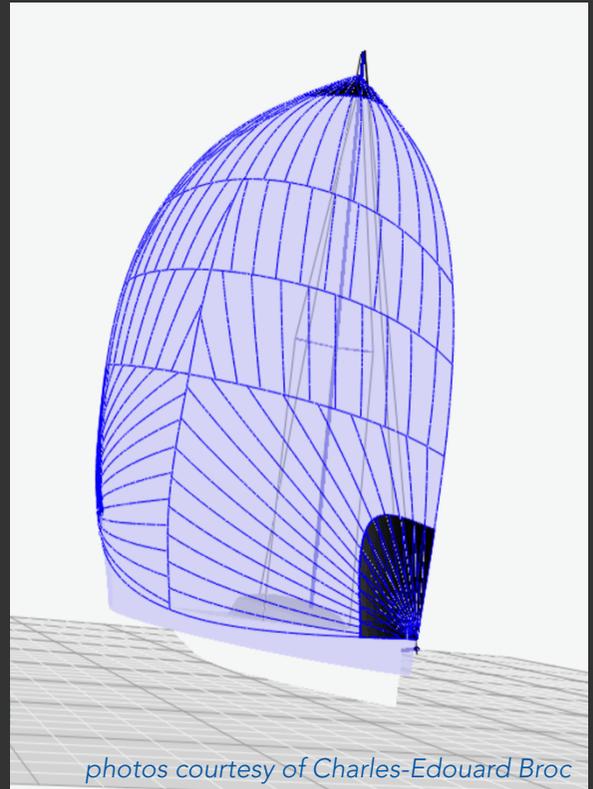
For the actual production of sail designs, there are a lot of options at each step of the conception of the sail, which enable me to import some layouts (patches, details, UV covers) and makes the job easier and faster.

**AzureVision** helps market my services, as I can share a part of my know-how through 3D files. To be efficient with that, I have created a base library of 3D files representing most of the sails a loft may have to produce. I also share this library with sailmakers to help them discuss sail shape with their customers.

One of my favourite features of **AzureProject** would have to be the "Analytics" option, which enables me to modify the foot camber and the mast bend, then see the sail shape modifications in the 3D view. I can also modify the luff round to fit with the mast bend of my project.

As far as actual sail production goes, the UV cover option is powerful and simple to use."

You can contact Charles at [ched@ched-saildesign.com](mailto:ched@ched-saildesign.com)  
or at +33 (0)6 98 39 10 10



## AZURE PROJECT - SUPPORTING OUR CUSTOMERS

# PRIZE-WINNING SAILS, REGARDLESS OF SIZE

## TAYLOR SAILS COMPETITION WIN

**Eric Taylor** is a long-time customer of ours, running his one-man loft out of Port Angeles, Washington (USA). We've been working with him since 2012 – He uses **AzureProject** combined with the **Advanced Analysis** tools to provide **top notch performance** for his clients. Last year he contacted us for a second opinion on one of his racing designs, and our R&D Engineer, **Francesco**, was happy to help, refining the sails and providing technical advice, further improving the performance of the design.

We've been very pleased to hear back from Eric last week, letting us know how that **the design has been performing brilliantly for his client, netting him a win** in the 75th edition of the **prestigious Swiftsure International Yacht Race** – finishing first in the Juan de Fuca Race for Multihulls!

*The winner in action - photo courtesy of Eric Taylor*



*Mainsail close-up - photo courtesy of Eric Taylor*

Results like these are great because they confirm the capabilities of our software - **simple** enough to be used by small teams or even individuals, while also delivering **extremely accurate analysis** - proven through the continued practical success of designs created through **AzureProject**. Also a reminder that **we're always here for our customers** - we're happy to provide consulting and support on individual designs - our engineers are highly skilled and passionate about sailing, and we love helping people win. Don't hesitate to contact us at [info@smar-azure.com](mailto:info@smar-azure.com)



FOR MORE INFORMATION ABOUT SMAR AZURE AND OUR SOFTWARE PLEASE CONTACT:

**Sabrina Malpede** [sabrina@smar-azure.com](mailto:sabrina@smar-azure.com)

Australia & New Zealand

**Brad Stephens** [smar-azure@bradleystephens.com.au](mailto:smar-azure@bradleystephens.com.au)

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