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**Bringing Innovation into the Yachting Industry**

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## Bengt Lindholm, Hamel Sails, on sail design and AzureProject

When I started as a beginner all sailmaking manufacturing was built on experience. The crucial was the art with different ways and tricks to handle and master the stretch in the cloth just to create a good and sufficient shape. By that time "recut" was more of a service word and not like today associated more with failure. Slowly and at the same time that computers developed and become realistic for everyone the development of CAD sail design was born. At the same time, sailcloth had a dramatic development and the time was over when experience was the only crucial factor. Suddenly, the sailmaker had to combine his/her experience with aerodynamic knowledge.

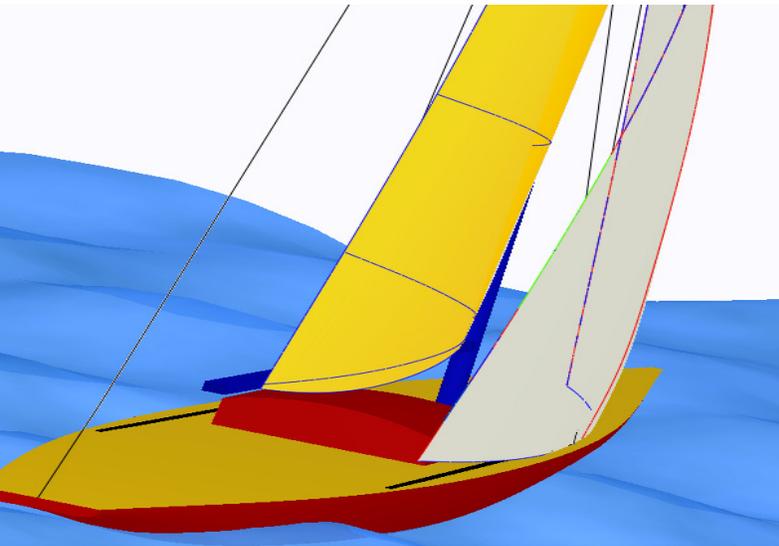
At Hamel Sails, we have recently started to use the program for all size and type of sails. As most sailmakers would know, such a change of program does not happen overnight. However, the SMAR Azure team has shown a high level of support and they are always open for questions and new ideas.

With no doubts the design program from SMAR Azure has and will be of great importance to the sailmaking industry, helping both independent and larger groups that want to stay at the forefront and edge of development. I am personally eager and also looking forward to the rumors that the team behind AzureProject will soon release some new fantastic features.

AzureProject brought sail design and manufacturing to a new high level. Aside of cad & manufacturing you can also do load and aerodynamic analyses. AzureProject is a fantastic tool not only for special projects but also to develop and fine tune standard moulds for the day to day production sails.

*Bengt Lindholm*

Bengt Lindholm started to work as a sailmaker in Sweden 1975 but soon after he went to the States. Today he is sail designer at Hamel Sails in Sweden.



One of the latest projects Bengt had was to upgrade rig and sail of the first built A22, a well known classic class. In AzureProject, Bengt could design all from Hull, Rig, Sail design and Analyses. (see pictures). The outcome was fantastic with perfect sail fit and efficient sailshape and success first time on the race course.

Meet Sabrina Malpede, SMAR-Azure Director,  
at the Genoa Boat Show 4<sup>th</sup> October.

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## AzureProject news

- New Aerodynamic Analysis manual available
- Possibility to export sail panels for printing
- Asymmetric spinnakers design defined by luff, leech and foot length
- Next release planned at the METS2010

For more info, contact us on:

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