



Azure Yacht Design & Naval Architecture

Azure Yacht Design & Naval Architecture is an independent Dutch design office dedicated to provide design, engineering, supervision and support for new build or the refitting of luxury motor yachts of 30M and above.

Azure was founded in 2003 and is independently involved in the yacht building industry.

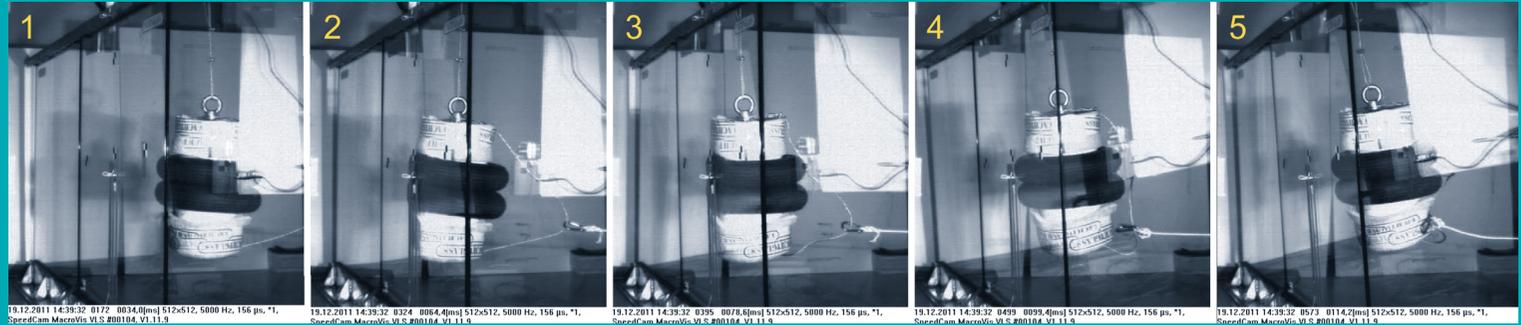
Our office employs over 20 persons. Our staff has its background in the Dutch and international yacht building industries.

We offer a wide range of services for clients all over the world and have established long term relationships with other key players in the yacht building industry.

Within Azure, projects are handled in an efficient way by small dedicated project teams. We are open minded, creative and dedicated. We like the challenge that every project and client brings.

For assistance, please contact Hugo van Wieringen, Erik Spek or Onne Logger.

Azure's glass research project - The results



Azure's year long glass research project has reached it's final stages and has produced some remarkable results.

The process began with Azure developing a glass calculation method for several glass concepts, eventually leading to an application for the design of glass bulwarks. We felt that a free-standing cantilever supported glass bulwark would be an effective means of achieving the panoramic views that our clients are requesting with greater regularity. One of the glass bulwark concepts has been developed further and recently underwent a full scale test.

Initially we made a finite element model to estimate the glass pane thickness and predict it's behaviour. Subsequently, we devised a test procedure in cooperation with Lloyd's Register (Rotterdam) to ensure that our glass bulwark concept was safe and reliable.

With a further set of assesments the glass was tested on impact and static pressure. These and other tests have allowed us to validate and further refine our calculations so as to generate even more realistic predictions for future structural glass designs.

The glass bulwark design performed extremely well in the tests. These calculations and tests have led our glass bulwark design to be given Lloyd's Register approval, for use even on main decks.

This offers us the advantage of offering our clients new glass design possibilities that are based on applied, safe and practical solutions.

