Presentation 12-4-2017

Event "Kooy Symposium"





Focus markets VABO Composites:



- Accedoo doors and hatches
- Antenna masts and jacuzzi's



- Industrial constructive elements
- Bucket, machine parts



- Art in public space
- HUBS, Olympic games 2012, Louvre (Paris)





- Commercial
- Naval
- Cruiseschip
- Super yachts













- Heavy equipment
- Machine parts
- Handling













Architectonic projects for public spaces













Composite:

- Light weight
- Freedom of shape
- Less maintenance
- Function-integration







The designer, Ragnar Hansen of Hansen Engineering, described the process which led to approval being received from Panama Maritime Authority on 11th December 2014 Tor retrofit of FRP (fibre reinforced plastic) hatch covers to replace traditional steel ones on a bulk carrier. The design for the 17m x 8m FRF natch covers has several benefits. It reduces weight (typically 35-40% of steel), resulting in fuel saving and/or increased cargo as well as easier crane handling and lighter motors. No corrosion means better seal performance, reducing risk of damage to cargo.

Trends

- Implementation new materials
- Saving fuel (costs)
- Less maintenance (total-cost-of-ownership)
- "cleaner" vessels
- Light weight unmanned vessels



'Het vissersschip heeft een brandstofbesparing van 80-85 procent vergeleken met bestaande vissersschepen in 2010. Het heeft een gunstig verdienmodel, verdient zich binnen tien jaar terug en biedt de visserij weer toekomstperspectief.







Marine innovations:

- Composite antenna mast
- Composite ship doors and hatches







- Weight reduction 30% versus aluminium
- No interference for antennas
- Less maintenance
- Non-magnetic

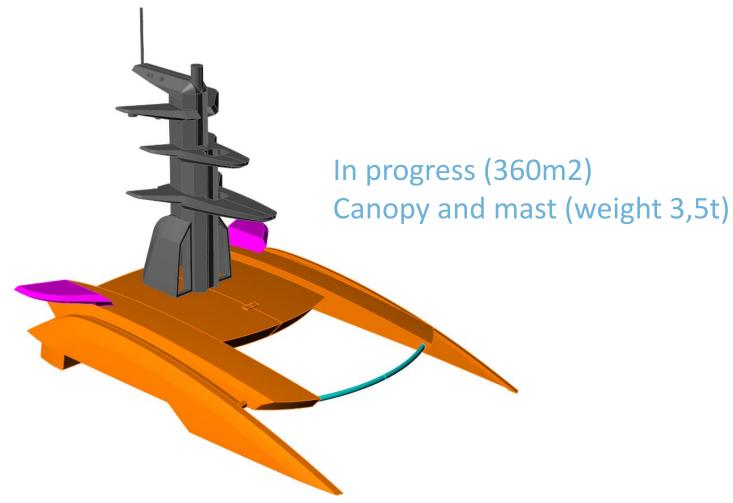
















Accedoo is the brand name for Composite plug and play marine doors developed and produced by VABO.

The doors are certified and ready for install by delivery. And all benefits are tested by reputable institutions and witnessed by regulations.

Markets:

- Commercial
- Fast ferry's
- Naval
- Superyachts
- Cruise ships









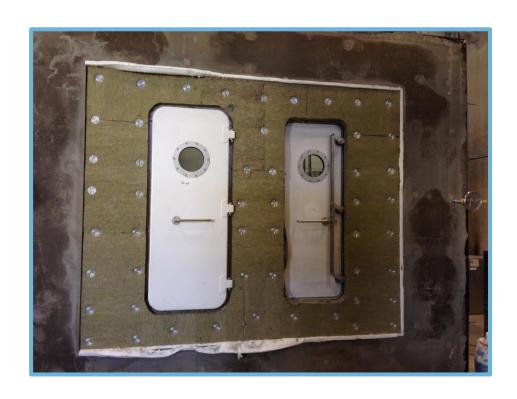
- Modular mould system, no size limits
- Plug and play (tested in workshop VABO)
- Adjustable toggles and hinges
- Veritas certified
- Non-magnetic
- Weight reduction (50% vs steel)
- Easier to install installation and in usage
- Low maintenance
- Function integration (insulation, fire resistance, EMI)
- Acoustic damping







Fire tests FTP part 3 (B30)



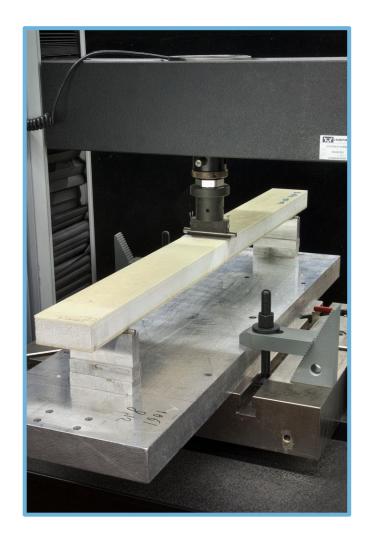








Strenght tests by NLR (witnessed by Veritas)



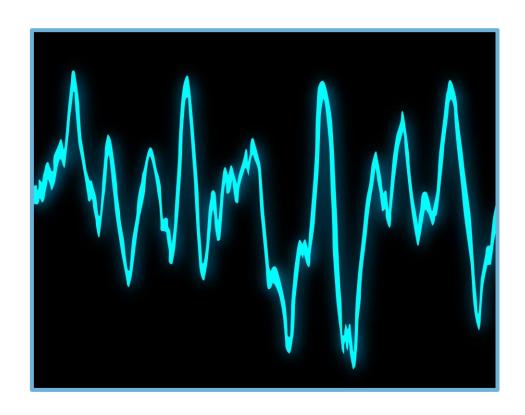








Acoustic tests Damping of 38dB for the complete range













Composite plug and play ship doors and hatches

- Hinges adjustable
- Toggles adjustable
- Watertight 1800 x 650 < 45kg
- Easy to install







































Contactinformation:

A. Vaandrager
0031 527685048
arnold@vabocomposites.com
www.accedoo.com
www.vabocomposites.com

