

CORE NEWS

NEWSLETTER FROM Diab

No. 11 | OCTOBER 2018

Welcome to our Newsletter! You just need a few minutes to stay up-to-date with the world of composite materials and we promise it is worth the read! In this issue we announce that our Science-Based Targets have been approved. You can read about X-Treme 32 - a new all-round racer that is faster than fast, and learn more about the next exhibitions in which Diab will take part, among other things.

RENEWABLE NEWS

WE'VE HAD OUR SCIENCE-BASED TARGET APPROVED



Our Science-Based Targets have been approved!

As the first company within the field of composite materials in the world, Diab has set science-based targets which have been approved by the Science-Based Targets initiative.

According to the Paris agreement, governments have committed to strive to prevent dangerous climate change by limiting global warming to less than 2 degrees Celsius. The agreement is accelerating the transition into a low carbon economy and companies worldwide need to urgently adapt to this, take the lead and do their part.

The setting of science-based emission reduction targets ensures that a company's strategy is in line with the latest scientific findings and that a business is resilient and prepared to adapt to the changing regulatory and business environment.

Sustainability leaflet

Following the approved science-based targets to reduce Diab Group carbon footprint, a sustainability leaflet has been produced.

Check it out on our website:
www.diabgroup.com



UPCOMING EXHIBITIONS

Diab is pleased to invite you to the exhibitions, in which we are taking part. Take the opportunity to discover how our high-performance core materials and sandwich composite solutions can make your products stronger, lighter and smarter.

ADVANCED ENGINEERING 2018

31 Oct & 1 Nov 2018, NEC, Birmingham

NEC Advanced Engineering 2018

...in Birmingham, UK,

from October 31 to November 1.

Stand no. Q91

METS TRADE .COM

Mets Trade 2018

...in Amsterdam, The Netherlands,

from November 13 to 15.

Stand no. CMP.200.EL

JEC ASIA 2018

International Composites Event

November 14-15-16, 2018 | SEOUL COEX

JEC Asia 2018

...in Seoul, South Korea,

from November 14 to 16.

Stand no. C34

PRODUCT & MARKETING INSIGHT

Case stories

We are privileged to have participated in product innovation and development for some of the world's leading companies in a variety of segments. The advances they have been able to make, using sandwich composites and other solutions, are truly exciting.



Rygerdronningen

New carbon fiber catamaran from Brødrene Aa

Closely following the award-winning Vision of the Fjords and its sister-ship Future of the Fjords, Brødrene Aa's new carbon fiber catamaran is called Rygerdronningen, constructed for Rødne Fjord Cruise to take tourists on sustainable sightseeing tours through the famed Lysefjord in Rogaland, Norway.

Divinycell H60 with high strength-to-weight ratio

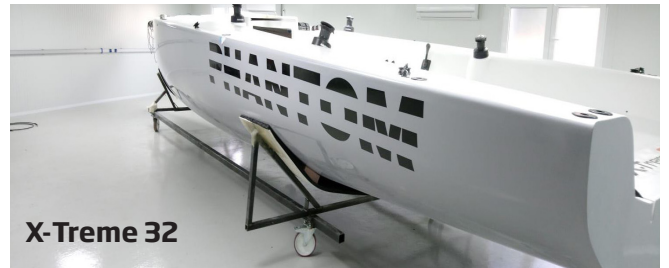
To achieve her ultra-lightweight displacement, Rygerdronningen has been built using infusion carbon fiber sandwich technology. The sandwich panels are made using Divinycell products from H60 up to H200 in 30-60 mm thickness with vacuum infusion. The Divinycell H range is a closed-cell IPN structural foam. It is particularly suited for marine applications due to its high strength-to-weight ratio and durability. Widely used, it has a proven track record in virtually every application area where sandwich composites are employed, including marine, transport, wind energy and civil engineering. It is compatible with most wet resin systems and its low thermal conductivity makes it especially suitable as insulation at low or cryogenic temperatures.

DID YOU KNOW

...The X-Treme 32 is the newest all-round racer from boat builder G-Force Yachts. Built using Divinycell HM and CCG expertise, it is truly lightweight and faster than fast.

Key design concepts

In order to go faster, the X-Treme 32 required a substantial weight reduction. Using Diab's lightweight core material Divinycell HM there were benefits to be had, including high specific shear strength. With high compressive properties there is higher resistance to denting and delamination from local impacts vs other foam cores and the higher skin wrinkling strength can hold thinner laminates.



X-Treme 32

The best from all parts of the world

With engineering expertise from Composites Consulting Group (CCG) in Australia and molding skills from the Spanish-based company Xuquer, the involvement of a naval architect from the USA and of boat builders from the Netherlands, who have used core materials from Swedish-based Diab, the X-Treme 32 has benefited from truly global expertise.

Diab

This newsletter is produced by Diab Group Product & Marketing. If you have any questions, please contact Louise Eriksson Jacka at louise@se.diabgroup.com

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