

CORE NEWS

Diab

NEWSLETTER FROM Diab

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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 you can read about the JEC Innovation Award 2018, the Composite Infusion Trainings held by CCG, the next exhibitions in which Diab will take part, and learn more about our work with sustainability, among other things.

JEC INNOVATION AWARD 2018

The 2018 JEC Innovation Award goes to Uljanik JSC's SIEM Cicero, featuring Diab Divinycell cores

Diab is proud to announce its contribution to the Uljanik JSC's SIEM Cicero project that won this year's JEC Innovation Award. A car carrier vessel for up to 7000 cars, SIEM Cicero features GRP composite structures for three of its cargo decks. The key benefits include reduced fuel consumption, increased payload and reduced production lead time.



Established in 1998, the prestigious JEC Innovation Program has so far involved 1,800 companies worldwide. 177 companies and 433 partners have been rewarded for the excellence of their composite innovations. The goals of the program are to identify, promote, and reward the most innovative composite solutions worldwide.

The selection criteria for the JEC Innovation Awards include Impact on Mankind and the ratio "Cost of the solution/acceptable price for the targeted audience", as well as the innovative character and environmental impact of the project. The full value chain, partnerships and collective intelligence are also taken into account. "SIEM Cicero is the first extensive application of sandwich composite in the shipping industry, where each deck uses 770 m² of Divinycell H100 and 2570 m² of Divinycell H80. With the use of innovative materials and technologies, we are able to reduce the environmental impact while cutting cost," says Roger Jansson, Group Product & Marketing Manager at Diab.

UPCOMING EXHIBITIONS



[SAMPE China 2018](#)

...in Shanghai, China, from May 16 to 18.

Stand no. E45



[International Rail Coach Expo 2018](#)

...in Chennai, India, from May 17 to 19.

Stand no. 65



[SAMPE California 2018](#)

...in Long Beach, California, USA

from May 21 to 24.

Stand no. K41



[Sanctuary Cove Boat show 2018](#)

...in Sanctuary Cove, Queensland, Australia
from May 24 to 27.

Stand no. 316 - Superyacht & Marine Pavilion

RENEWABLE NEWS

The most sustainable choice

The most sustainable choice is not always what you think it is. For example, the global ban on plastic bags might not always hit the target. If the plastic waste is taken care of in a responsible manner, plastics might be the optimal solution from a sustainable perspective in many applications. The lighter and stronger solutions provided by Diab's foam cores, for example, reduce the usage of fossil fuel and increase the possible amount of wind power generated. Here, the use of plastics makes sense and no other type of material that can be found today that can do the job better.

Recently in Denmark, LCAs (Life-Cycle Assessments) were carried out on many different types of grocery bags. Today, plastics bags are generally banned and campaigns are conducted in order to significantly reduce the use for environmental reasons. But the outcome of the Danish study was that the plastic bag actually is the best option from an environmental perspective. A short summary of the result is shown below, where the plastic bag is supposed to be used once for carrying groceries and once for trash. The amount of times the other bags have to be used to correspond to the impact of the plastic bag is shown in the table below:

Type of bag	Times of reuse
"Normal plastic bag"	1
Paper bag	40
Bio-based plastic	40
Cotton bag	7,000 - 20,000

So, the most sustainable choice is not always what you think it is. Handled correctly, plastics are not always as bad as their reputation and you need to check the life-time of every product to get the correct picture.

DID YOU KNOW

...knowledge and competence are key assets in any industry. Within composites, these talents can be hard to come by. Composites Consulting Group (CCG) offers a complete training package to ensure that customers can continuously improve their products and grow their business.

The training package includes topics such as composite design, engineering, manufacturing, vacuum infusion, RTM-light and repair.

Training seminars and on-site training courses are available from basic to advanced and are suitable for shop floor workers as well as development engineers and designers. In addition to custom training courses, seminars are run regularly throughout the year on five continents, so there is likely a course available close to you.



Next CIT (Composite Infusion Training) will take place in Laholm, Sweden, on May 22-24.

For further information and registration please contact:

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