



Newsletter

European Composites Industry Association Newsletter Activities and Issues Overview

- **Know-Show-Grow**

The Mission of EuCIA

In the last Newsletter we have explained once again our three key phrases:

Know-Show-Grow

We Know the world of Composites.

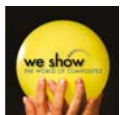
We Show the world of Composites.

We Grow the world of Composites.

In the Newsletters from now on we want to make a direct reference to the three key phrases for every activity we want to report on. Each article will be equipped with one of the three logo's for the key phrases, so it will always be easy to see where it fits in the strategy of EuCIA.

- **REACH update**

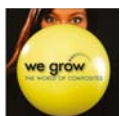
The first phase of the implementation of REACH has started.



From the 1st of June manufacturers and importers of chemical substances are reporting their products to the European Chemical Agency in Helsinki for pre-registration. End of August the ECHA had already received approx. 200.000 pre-registrations. The pre-registration period ends by the 1st of December 2008. Then ECHA will start processing all entries. Mid January 2009 it will be clear how the next phase or REACH will be organised. All manufacturers and importers of the same substance will be informed with whom they have to cooperate in the coming for the preparation of the substance dossier in REACH.

- **Nordic Composite Days**

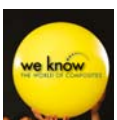
The Scandinavian composites industry organised its bi-annual



Composite days in Aalborg – Denmark in August. Approx. 70 composite specialists from all over Scandinavia were present to hear about the latest developments in the composites industry. Astonishing figures were presented by a consultant active in the wind mill industry. Looking to the planned wind farm parks in the coming five to ten years, an exponential growth is expected in this market.

EuCIA was also present to explain our program and activities.

- **Composite projects in Scandinavia.**



The Scandinavian composite industry is for time being involved in several composite projects. Projects that will favour the industry both on short and long term. To be involved in research and development projects a defined strategy has been developed for the composite associations in Sweden, Norway and Denmark. Paal Fischenich sent us the following overview of a number of interesting projects.

New Nordic Web Page

A new Nordic web page was published in June. The web page www.nordic-composite.com will be a window towards the mar-

ket with special focus on information to designers, engineers, constructors, students and new potential customers to the composite industry. The project's main goal was to establish and develop a Nordic composite web page on an international level. Through the page we wish to promote the use of composites in new and important markets, encourage the Nordic composite industry as an international well recognized supplier and be a tool for publishing concentrated and edited information. The project management has been at SINTEF in Oslo. The total budget of € 90.000 is financed by the Nordic Innovation Centre, and by the composite associations in Sweden, Norway and Denmark.

Swedish/Norwegian educational program

The aim of the project is to further develop our interactive educational program to a higher level. Our present program is for workers in the industry. With this new program we can also give a high quality composite education to engineers and constructors. We realize that the development of our industry needs higher educated people with better knowledge of composite construction, design and production. The program will be published this autumn. Project management for this program has been at the Norwegian Composite Association and the budget is € 275.000. This project is financed by Swedish – Norwegian Industrial Foundation and by the Swedish and Norwegian composite associations.

Recycling of leisure boats and composites

The Norwegian Composite Association has together with SINTEF in Oslo, Veolia Miljø AS and several producers of composite products started a 3 years research program for recycling of composites. The program's main goal will be to identify new products and applications for recycled materials based on composites as source. The program will run for 3 years and has a budget of € 1.125.000 which is financed by the Norwegian Research Council and by the industry itself. Project owner is Veolia Miljø AS and the project management is held by SINTEF. The project will also do a mapping of existing technologies in this field. It is important to underline that the project realises that a lot of work already has been done on grinding, crushing, collecting and sorting. Therefore the main focus will be on the highest part of the value chain.

Image project for composites

The Norwegian Composite Association published in June a composite newspaper together with Mediaplanet AS in Oslo. The paper is available as a PDF on www.nordic-composite.com. The paper was distributed by the leading Norwegian financial newspaper Dagens Næringsliv. The goal has been to make people aware of composites with focus on light, strong and durable. We represent in our associations advanced and well recognized companies, but still there is a lack of understanding of what composites are. As a long term strategy we therefore want to focus on composites as an alternative to other materials. Together with a complete new web page the publishing of a newspaper is the first step on the way towards better understanding of what composites can be used for and those that create new markets for our members.

- **Thinking ahead: recycling of composite air-planes**

The first composite-bodied Boeing 787 hasn't flown yet... but the planemaker and others are already thinking about how old Dreamliners will eventually be recycled. Boeing and Alenia Aeronautica announced this week they are joining forces to help establish Italy's first composite recycling facility, which will be located in Southern Italy. Together with partners Milled Carbon (based in Birmingham, UK) Karborek (based in Puglia, Italy), and ENEA (Italian National Agency for new Technologies Energy and the Environment), the two companies have signed a letter of intent to apply their expertise and work with academia to advance industry knowledge surrounding the recycling of composite airplane parts into reusable materials for manufacturing. The composite recycling facility, which is expected to be operational in mid- to late 2009, will be in Italy's Puglia region, near the Alenia Aeronautica manufacturing center and its supply chain production centers. When fully operational, the center is expected to process an average of 1,000 metric tonnes (1,102 tons) of composite scrap annually and add approximately 75 jobs to the regional economy.



Over the longer term, Boeing and Alenia will work closely with Italian industry and academia to develop additional markets for the reuse of the carbon fiber, which could include automotive, civil engineering, sporting goods, nautical and other industrial applications in Italy and across Europe.

"High-value composite materials are playing an increasingly significant role in aviation's ability to develop lighter, more fuel efficient and environment friendly aircraft," said Billy Glover, Boeing Commercial Airplanes managing director of environmental strategy. "Through this agreement, we are proactively developing technologies and capabilities today that will allow us to responsibly recycle our precious resources, and help meet rising demand for high-quality composite material."

Working collaboratively with Boeing, Milled Carbon has demonstrated the ability, in a pilot industrial plant, to process cured and uncured composite parts on a continual feed that extracts high-quality carbon fibers. The recycled material potentially can be used for noncritical structures such as interior linings, galley and seat parts and tools that can benefit from stronger, lighter-weight materials.

ENEA, the Italian Research Institute, has long worked with Karborek to develop recycling process technologies for the recovery of carbon and glass fiber from composite materials. ENEA and Karborek each has separately developed prototypes of complementary technology.

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- **Books for composites**

Sometimes people ask us for basic information about composites. What kind of material is it, what are the mechanical properties and where in daily life can you find applications made in composites. We can announce that we have the following three books available that explain the chemistry, the principles and the applications of composite materials. These books are available and can be ordered through the website of EuCIA.

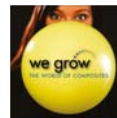


The AVK Handbuch on Composites (only available in German) Gunnar Westerlund: Reinforced Thermosets explained. (also available in Swedish)

Aurer, Kasper: Unsaturated polyester Resins, Polymers with unlimited possibilities. (Available both in English and in German)

- **Composites Europe**

Did you block September 23 till 25 in your agenda? Composites



Europe is in its final stage of preparation. The show is fully booked and will be the showplace for the composites industry. The number of exhibitors in expected to be around 350 which means a growth of 40 % compared to last year. As the show is combined again with the Aluminium show, we expect a

lot of visitors who want to make a comparison between aluminium and composites. Several countries have their own pavilion. So, see you there!

- **From the General Manager**

Summer time is over. I hope everybody enjoyed holidays and came back full of energy for another thrilling year of composites.

The market for composites is growing. Every time new applications can be found or market growth figures show a healthy increase in the composites business. This is particularly valid for the wind energy market. The latest information shows an exponential growth in new wind parks to be installed.

Composites Europe is coming. Of course you are well prepared to pay a visit to the show and/or show your own products. This is again a very good showcase for the composites industry. I hope to meet you all during Composites Europe in Essen.

- **CALENDAR OF EVENTS**

22 September 2008	AVK Tagung	Essen, Germany
22 September 2008	Composites Night AVK	Essen, Germany
23-25 September 2008	Composites Europe Show	Essen, Germany
14-16 October 2008	Materialica & Composites	Munich, Germany
29-31 October 2008	Comptec	Marina di Carrara, Italy

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Composites Europe

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