

The Expert Forum for Composite Lightweight Construction



CFK-Valley Stade Convention
Where Business meets Research.

Stade, 03 April 2012

"The (Textile) Empire strikes back" - From airplane construction in the past to carbon fabrics for composites in the future.

Peter D. Dornier, CEO of Lindauer DORNIER GmbH (Germany) will give the keynote lecture at the 6th CFK-Valley Stade Convention, 12-13 June 2012 in Stade.

Under the topic of "Productivity and Economic Efficiency" the CFK-Valley Stade Convention will be taking place on 12-13 June 2012 in Stade.



As an introduction into the 1st Convention-Day, Mr Peter D. Dornier will give a keynote titled with "The (Textile) Empire strikes back" - From airplane construction in the past to carbon fabrics for composites in the future. Mr Dornier is CEO at Lindauer DORNIER GmbH since 2001.

A summary of his lecture:

"From the first large all-metal aeroplane in 1916 to the first mass-produced jet aircraft with Carbon Fiber components in its primary structure in 1973, Dornier has always been a pioneer in the usage of new materials for lightweight design. It's unique history encompassing aircraft as well as textile and plastics machinery production enables an inspiring and visionary view into material developments of the last 100 years and beyond. Today, Lindauer DORNIER GmbH located in Lindau, Bavaria, as a family company solely producing "made in Germany", is no longer fabricating aircraft parts, but a technological market leader in weaving systems for technical textiles as well as for large biaxially oriented polyester and PP film production lines. Having been part of the Dornier GmbH group until 1985, Lindauer DORNIER GmbH delivered its first weaving machines into the Carbon Fiber composite industry already 40 years ago at the launch of two important aerospace projects – the Dornier/Dassault "AlphaJet" and the Dornier "AEROS" satellite program.

PRESS RELEASE



Since then – and especially in the last five years – an ever increasing number of companies have entered this growing market, that is mainly fuelled today by new applications of Carbon Fiber (CF) in the aerospace, automotive and wind energy sector. CF composites, having a strength to weight ratio more than 10 times better compared to metallic materials like steel or even aluminum, give promising prospects for the design of future lightweight structures like automobiles, trains, trucks and larger, more powerful wind turbines, helping to reduce CO2 emissions. The use of the corrosion free Carbon Fiber to replace steel armouring in new concrete structures, as well as in the repair of heritage buildings, could open up a large new market for textile reinforcement products in the building industry.

Since the number of “players” producing Carbon Fiber has doubled in the last five years, a significant reduction of fiber prices is anticipated over the next decade. Especially the entry of oil- and sun-rich countries in the Gulf area into this field will enable to produce “green” Carbon Fiber using solar-power and converting the crude oil into a value added product of high macro-economical impact at very competitive terms. Renewable-energy powered, Carbon Fiber based economies provide a unique engineering-driven vision for the coming years to stretch the availability of worlds crude oil resources, gaining more time for the development of a non oil-based chemical industry. (...)“

The complete conference program as well as information for interested exhibitors and participants is available at
www.cfk-convention.com

Due to the limited number of participants, binding registration is required for each participant. Please use the registration form online:
www.cfk-convention.com/registration.

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