



pioneer of 3D-weaving technologies

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Press Release

Biteam Shares JEC 2010 Process Innovation Award

Biteam AB shall be sharing this year's JEC Innovation Award for Process together with other partners from the MOJO project. This Swedish company has developed woven profiled 3D carbon fibre reinforcements to make composite materials for the aircraft industry.

Biteam, together with the Royal Institute of Technology (KTH), Stockholm, has developed the world's first industrial 3D-weaving machine for directly weaving 3D profiles and shown its applicability for the aeronautical industry through the just concluded EU Project MOJO (MOdular JOints for Aircraft Composite Structures). These profiles open up a new possibility for modularly joining different aircraft parts instead of the traditional riveting. The aim of MOJO project was to seek new methods for substantially lowering construction costs and weight of aircraft. The other partners in this project included EADS - Premium Aerotec, Dassault Aviation, Eurocopter, SABCA, DLR, EADS-IWF, VZLU, CRC-ACS, Secar and University of Patras.

“The Award indicates that the developed technology has a very high innovation level and confirms that our 3D-weaving process can revolutionize aircraft production method. We have, together with KTH, successfully shown that it is possible to produce profiled 3D woven materials directly and that they can be used for advanced constructions“ says Fredrik Winberg, Chairman and Co-founder of Biteam.

The 3D-weaving process was invented by Dr. Nandan Khokar, who is also the co-founder of Biteam together with Fredrik Winberg. He is also the co-founder and inventor behind another innovative company Oxeon and Professor of Textile Technology at the University of Borås, Sweden.

Biteam will be exhibiting a large number of different 3D woven profiles at JEC Show 2010, Paris, which is the world's largest and leading composite materials' exhibition.

About Biteam

Established in 1997 on the pioneering development of world's first 3D-weaving process, Biteam is continuously developing it and manufacturing innovative high-performance woven profiled 3D fabrics to specially reinforce composite materials for the aerospace and aeronautical industries.

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