Hexcel's non crimp fabrics for cost effective wind solutions.
Hexcel supplies a wide range of multiaxial reinforcements from its dedicated production facility in Leicester, UK. Carbon, high-modulus glass and E-glass fibers are used to produce Unidirectional (UD), Biaxial and Triaxial fabrics that deliver superior mechanical performance in highly loaded structures such as wind turbine blades.

Optimized to produce cost effective yet highly consistent building blocks for infusion processing as well as other blade manufacturing techniques, HiMax™ reinforcements provide the lightest, strongest, engineered solutions.

Technology
Research and Development is a constant focus at Hexcel, with in-house technicians also partnering with external research centers, such as the Polymer Composites Group and Imperial College London, to optimize laminate performance and processing efficiency in the next generation of multiaxial reinforcements. Hexcel has developed reinforcement solutions that are specifically tailored for use in both infusion and prepreg production processes.

Drape Simulation Software - Hexcel has the capability to support customers with Drape Simulation Technology to improve quality prediction and the production speed of components. This specialist software enables fabric design optimization by predicting how a material will perform during the manufacturing process. It can establish how successfully a fabric will drape, and identify creasing or permeability issues when particular reinforcement fabrics are used in different areas of a wind turbine blade.

Complementary Products
In addition to the HiMax™ multiaxial reinforcements range, Hexcel offers a complete range of complementary composite materials for wind blade applications including woven reinforcements, prepregs, pultruded elements and cured laminates. For more information please refer to www.hexcel.com

A Local Service Worldwide
HiMax™ multiaxial reinforcements are produced in Leicester, UK, and supplied worldwide via Hexcel's global sales and customer service network.
For more information contact us at:
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http://www.hexcel.com/contact/salesoffice