

EXEL WIND ENERGY COMPONENTS



TRUSTED PARTNER FOR WIND TURBINE MANUFACTURERS

Exel Composites has a long history with composites since 1960 when the company was established.

For more than 20 years Exel has supplied composite solutions to wind turbine manufacturers that enable the design of lighter and bigger rotor blades and thus cost savings, faster manufacturing process and improved energy efficiency even with low winds.

TRULY GLOBAL PRESENCE

- We serve global customers locally and local customers globally
- We ensure the production capacity with our eight factories in seven countries
- We offer design capabilities based on more than 50 years experience in composites industry
- Machining capabilities to meet customer's demand

EXEL PRODUCT RANGE

Exel Composites offer tailored composite profiles and laminates to the leading wind energy solution suppliers. Carbon, glass or hybrid fibers can be used with different resin systems.

- Wind turbine blade reinforcements:
 - › Carbon and glass fiber profiles
 - › Exel rotor blade laminates
- Wind turbine blade root joints; Glassfiber spacers and carrots
- Cable management products: cable holders and ladders
- Service platforms and ladders
- Insulation components for generators

QUALITY ASSURANCE

Quality, environment and safety are an essential part of management and are developed according to objectives based on Exel Composites Group's operating principles. Exel Composites' QEHS-Policy complies with the requirements of the standards **ISO 9001:2008**, **ISO 14001:2004** and **OHSAS 18001:2007**.

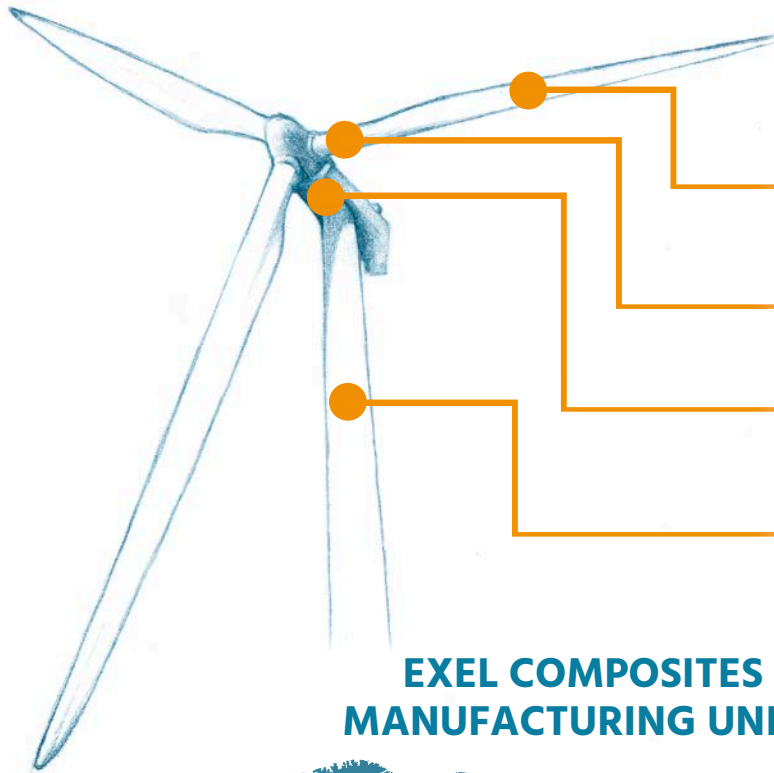
We use the most advanced tools in our testing and quality assurance. All testing and quality procedures are always agreed with customer to meet customer requirements

EXEL OFFERING

- pultrusion profiles with standard construction
- high performance optimized pultrusion profiles
- all different materials
 - › resins
 - » epoxy
 - » vinylester
 - » polyester
 - » polyurethane
 - › reinforcements
 - » glassfiber
 - » carbonfiber
 - » natural fiber
- machining options
 - › cutting and mitering
 - › drilling and milling
 - › colour/coating options
 - › through coloured resin systems

PULTRUSION PROVIDES BEST MECHANICAL PROPERTIES

- Accurate fiber alignment
- No wrinkles – excellent surface
- Fast production due to reduced mold time
- High, consistent quality
- High strength, high fatigue strength, low weight



**EXEL WIND ENERGY
COMPONENTS**

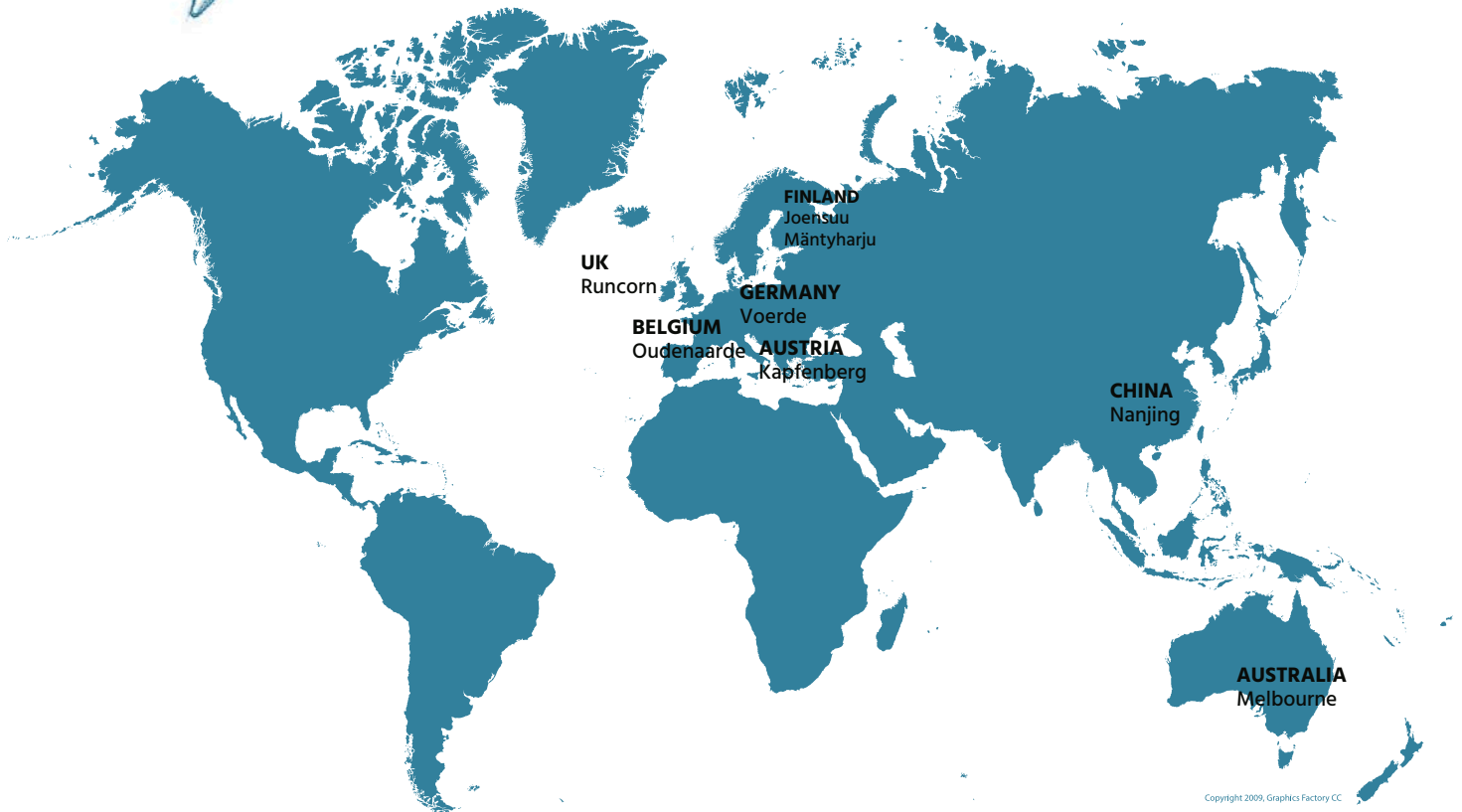
**Wind turbine blade
reinforcements**

Blade root joints

**Insulating components
for generators**

**Cable management
systems**

**EXEL COMPOSITES
MANUFACTURING UNITS**



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The Exel quality and environmental policy complies with the requirements of the standards **ISO 9001:2008** and **ISO 14001**. Safety Management System according to **OHSAS 18001:2007**

