

## EUROS offers:

- Rotor blade design since 1996
- Rotor blade manufacturing since 1999
- Licenses and technology transfer worldwide

# Onshore Competence

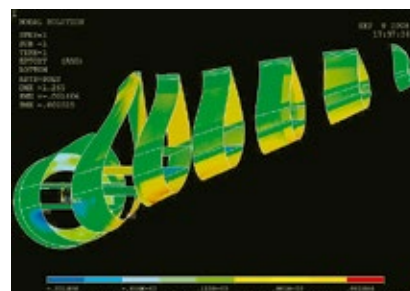
## Background

- Development and manufacturing of power-optimized rotor blades for wind turbines from 600kW up to 7MW
- Highly skilled engineers for blade design and production optimization
- More than 30 different rotor blade types developed until September 2014
- Highly skilled employees in glass and carbon fiber technology
- In 2013 fivefold increase of production capacity for rotor blades to approx. 650MW installed power per year

## Capabilities

Spanning across various disciplines in rotor blade design:

- Concept and design of aerodynamics and structure for onshore and offshore rotor blades
- Model and mould production
- Prototyping and certification (GL and DEWI-OCC)
- Serial production
- High performance vacuum infusion technology



FEM analysis

## Locations



EUROS Polska Sp. z o.o., production facility in Żory-Warszowice, Poland



## Competences

	EUROS GmbH	EUROS Polska
Blade development	■	
Material qualification	■	
Production technology	■	■
Quality management	■	■
Material sourcing	■	■
Blade production		■
Plug & mould production		■
Sales	■	
After Sales Service	■	



EU120 static test at EUROS facility in Ustroń / Poland

## Static Tests

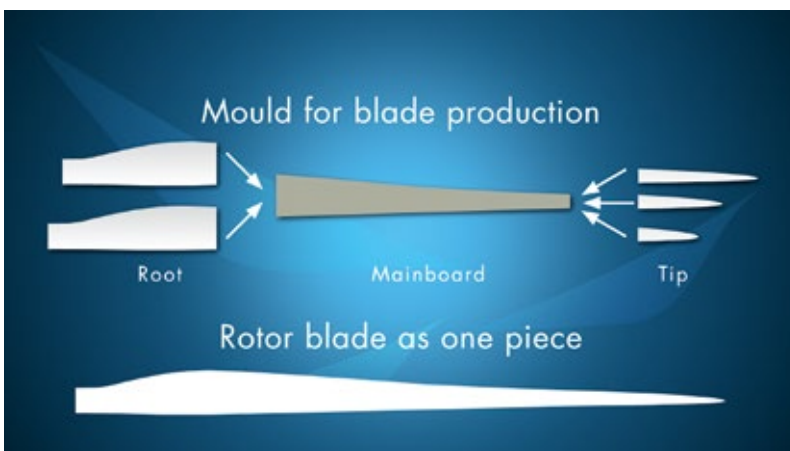
Since 2002 EUROS performs static tests of own rotor blades for Design Assessments purposes. The test banch has been designed by EUROS and is constructed for tests of blades up to 60m length. More than 30 tests have been performed at the polish facility.



Wind tunnel tests to ensure highest aerodynamic efficiency of EUROS rotor blades

## Blade Family Concept

Exploiting the cost-effectiveness of commonality, Euros blades are designed in families. The center section is identical within one family, whilst root and tip segment can be designed to meet customer specification.



Computer simulation for high performance vacuum infusion process

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