



The wind turbine industry is the fastest growing market area for the use of composite materials. Current state-of-the-art turbines are increasing in size, providing multi-megawatt power output. As turbines grow and their deployment becomes more widespread and remote, it is becoming increasingly important that systems are developed to improve their monitoring and repair. Such systems offer significant cost savings, downtime reduction and increased wind turbine reliability.

Existing solutions require (in most cases) the disassembly of the turbine blades and shipping to specialized repair facilities, which result in increased time and money requirements. The aim of CORETO project is to develop an appropriate tooling to enable in-situ repair of turbine blades. It is estimated that large-scale reductions could be achieved, both in terms of time and money.





PARTICIPANTS

CORETO (Adapted Composite Repair Tooling for in-situ wind turbine blades structural rehabilitation) is a cooperation between the following organisations: InnoTecUK, Techni-modul Engineering, Polkom Badania, BS-Rotor, Turkish Wind Energy Association, The National Technical University of Athens, The Brunel Innovation Centre, GMI Aero and TWI. The Project is managed by InnoTecUK and is a partly funded project by the EC under the FP7 framework programme.

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