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## Recycling end-of-life wind turbine blades: DITF are partner in the REWIND project

On May 15 and 16, the kick-off meeting of the REWIND project took place in Valencia. The German Institutes of Textile and Fiber Research (DITF) are one of 14 partners from seven countries. REWIND deals with composite waste in the wind energy sector. It is funded by Horizon Europe and CINEA (European Climate, Infrastructure and Environment Executive Agency).

REWIND stands for Efficient Decommissioning, Repurposing and Recycling to increase the Circularity of end-of-life Wind Energy Systems. The project deals with the recycling of wind turbine blades when they have reached the end of their service life. The project partners are developing basic technologies for dismantling the composite material and methods for disassembling and evaluating the material. In the next step, recycling processes and options for reusing the composite materials will be developed. The aim is to make the wind turbine blades recyclable instead of landfilling or incinerating them.

At this first meeting, the research consortium discussed the objectives of the research project and the planning. The task of the DITF is to develop a yarn and a fabric for new components or for repair kits for wind turbines from the glass and carbon fibers recycled by the project partners.

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DEUTSCHE INSTITUTE FÜR  
TEXTIL+FASERFORSCHUNG

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Further information: Stephan Baz  
Head of Staple Fiber Technology  
Deputy Head of the Competence Center Staple Fibers, Weaving &  
Simulation  
T +49(0)711 9340-252  
E [stephan.baz@ditf.de](mailto:stephan.baz@ditf.de)



The project partners in Valencia. Photo: REWIND

## Partners:

AIMPLAS  
TECKNIKER  
IPC – Centre Technique Industriel de la Plasturgie et des Composites  
Miljøskærm  
Hochschule Pforzheim – Gestaltung, Technik, Wirtschaft und Recht  
Deutsche Institute für Textil – und Faserforschung Denkendorf (DITF)  
Alke Electric Vehicles  
Suez Group  
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Composite Patch  
TPI Composites Inc.  
R-Nanolab  
CiaoTech-Gruppo PNO  
AEMAC.