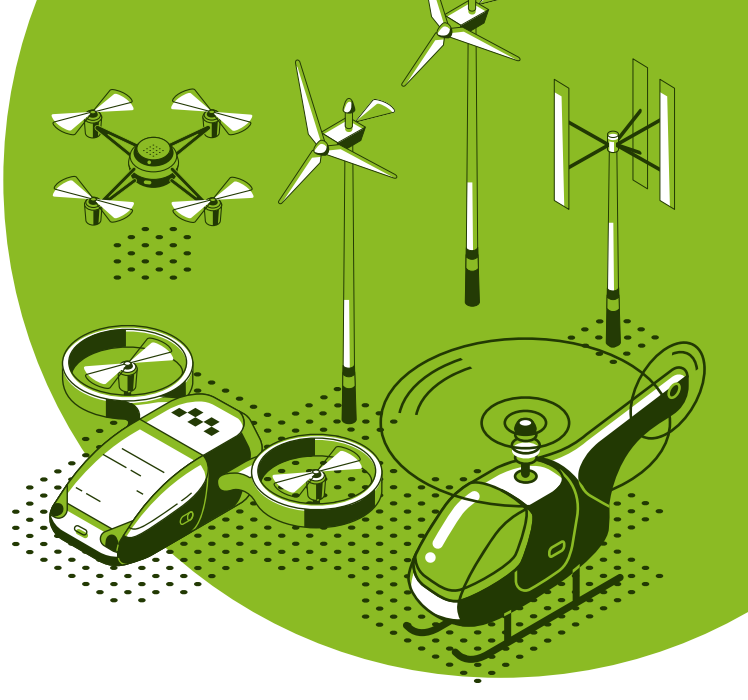
AZL Joint Partner Project

Propeller and Rotors

Potentials for composite materials and technologies in the field of air mobility and small / medium sized wind energy systems



AZL Aachen GmbH

Excellence in Lightweight Production

Did you know?

- **Propeller and rotors are having their come-back for efficient flying and clean energy production with composite materials playing a key role.**
- **Electrical flying opens new sectors, demanding innovative propeller designs and composite mass production technologies to soar ahead with composites.**
- **More than 10% CAGR for general aviation generates new opportunities in propeller production.**
- **The demand for propellers only for commercial drones is estimated at up to 100 million parts per year.**
- **More than 9% CAGR for small wind turbines, rotors are essential not only for flying vehicles but also play a vital role in generating green energy.**

What you will get?

Expert assessment and evaluation of potentials for composite materials and technologies in the field of propellers and small to medium-sized rotors.

- **WP1: Screening of current market situation and evaluation of future potentials.**
- **WP2: Identification of latest materials, technologies, and manufacturing processes.**
- **WP3: Business case scenarios for future design- and manufacturing concepts of selected highlight-applications.**

Open to join

Kick-off: September 18th, 2024

Duration: approx. 10 month

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