

Bavarian Ministry of Economic Affairs, Regional Development and Energy

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MAI CARBON

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Bundled competence for CFRP applications

The Leading-Edge Cluster MAI Carbon of the Carbon Composites e.V. (CCeV) in the city triangle Munich, Augsburg and Ingolstadt pursues the objective of implementing CFRP technology on an industrial scale for different user sectors in Germany. To achieve this goal, springboard innovations throughout the complete component life cycle are required, i.e. starting from fiber and matrix material, through the manufacture of components and product systems, to conclusive recycling concepts.

The founding partners of MAI Carbon are Audi, BMW, Premium Aerotec, Airbus Helicopters, Voith and SGL Carbon, as well as the Chamber of Commerce and Industry Swabia, the Chair of Carbon Composites of the Technical University Munich, and the Carbon Composites e. V.

Currently more than 100 partners in this Leading-Edge Cluster initiative – which are also members of CCeV – bundle their knowledge to further extend the technology leadership for the use of CFRP components in mass production, and to make Germany the world leader in the area of fiber composite technology. The intensive collaboration of well-known major companies and technology leaders of the application industries, aerospace, machinery and plant engineering, as well as fiber manufacturers and manufacturers of semi-finished products, makes the Leading-Edge Cluster MAI Carbon unique.

Leading-edge Cluster as Engine for the Region

The concentration of all relevant companies and institutions along the value chain of future materials with carbon fiber reinforcement is a noteworthy and unique selling proposition in the tri-cities area of Munich, Augsburg and Ingolstadt (MAI). Thus an ideal basis is available to leverage carbon composites material technology in various industries, such as the automotive industry, the aerospace industry, but also in the mechanical engineering industry. The prerequisite in this regard is a networked and concerted procedure coordinated by the Leading-Edge Cluster MAI Carbon.

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