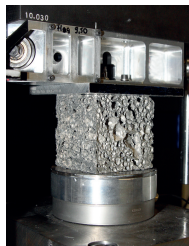
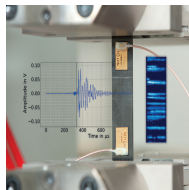
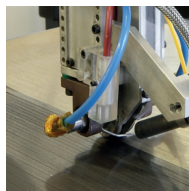
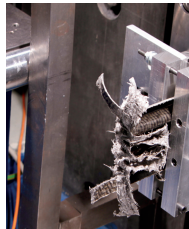
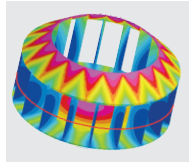


TECHNOLOGIES

- Component Control
- Component Testing
- Design
- Development of Semi-Finished Materials
- Failure Behavior
- Fatigue Analysis
- Filament Winding & Simulation
- Film Extrusion
- Forming Technology & Simulation
- Functionalized Matrix Systems
- Hybrid Processes, Materials & Structures
- Impact / Crash Behavior & Simulation
- Joining Technology / Welding & Simulation
- Material Analytics
- Methods of Material & Process Characterization
- Multifunctional Composites & Simulation
- Nanocomposites
- Non-Destructive Material / Component Testing & Simulation
- Press Molding Technology & Simulation
- Process Digitalization
- Resin Injection Technology & Simulation
- Sensor Integration / Smart Materials
- Stress Analysis
- Tape and Fiber Placement & Simulation
- Textile Preform Technology
- Tribology



KNOWLEDGE & TECHNOLOGY TRANSFER

IVW's Knowledge & Technology Transfer Team is composed of exceptionally experienced engineers, economists and technicians to enable a fast and efficient problem solving for business clients and to professionally organize and implement projects with multidisciplinary topics. The activities cover new designs, materials, processes and the development of new applications.

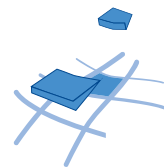


Please contact us!



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MISSION

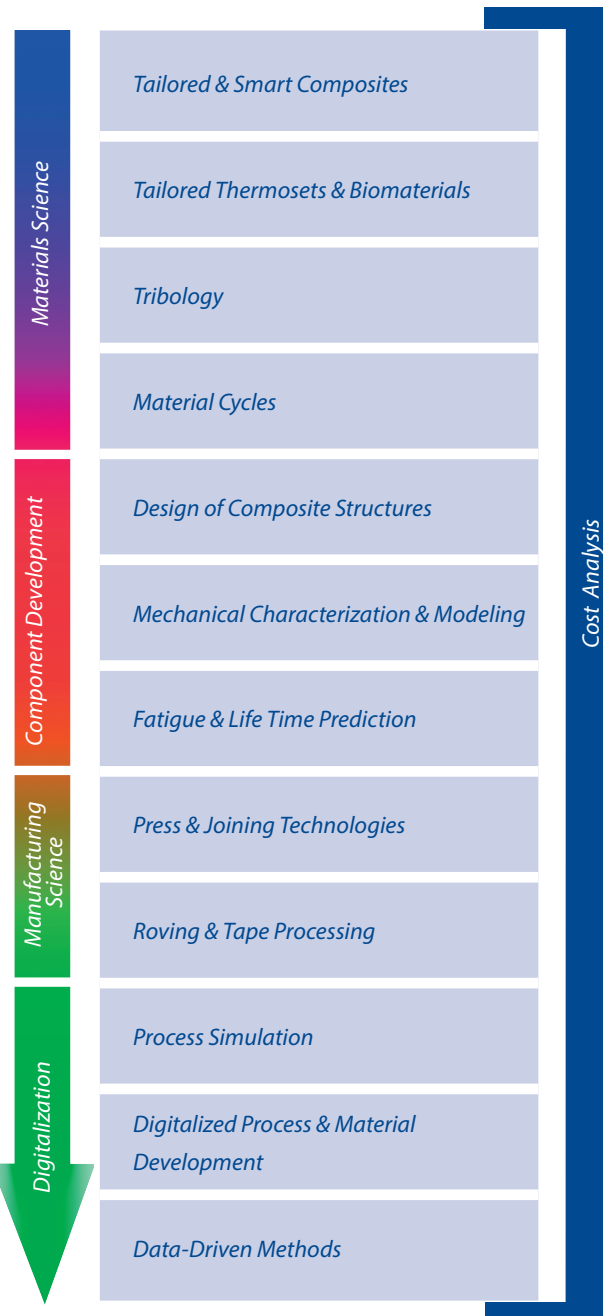
Leibniz-Institut für Verbundwerkstoffe (IVW) is a nonprofit research institution of the state of Rhineland-Palatinate and the University of Kaiserslautern-Landau. It researches fundamentals for future applications of composite materials, which are of great importance for the mobility of the future, the fields of energy, climate and environment, production technology as well as for health care. New materials, construction methods and manufacturing processes are investigated and - after the basic understanding has been developed - tailor-made for the respective requirements. The focus is on the entire process chain, from basic materials to characterization and simulation, from construction methods and production technology to component testing and recycling. New ideas and innovative concepts are not only an essential part of the research and further development of the institute, but also lead to spin-offs. Newly acquired knowledge is transferred, above all into science, but also into teaching, the interested public and industrial applications.

Employees	113
Budget [million €]	13.1
Third Party Funds [million €]*	5.8
Projects	129
Bilateral Industrial Cooperation	76
Funded Third Party Projects	53
Publications	30
Doctoral Degrees (total since 1990)	6 (187)
Lectures & Labs	46
Theses	29
Equipment [million €]	25
Laboratory and Office Space [sqm]	7200

*2022, without "TTC"

FIELDS OF COMPETENCE

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- 

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