

TECHNOLOGICAL AREAS OF FOCUS FOR INNOVATIVE LIGHTWEIGHT SOLUTIONS



Additive Manufacturing

- › New Metals & Plastics
- › Functional Integration
- › Topology Optimization



Joining Techniques

- › Multi-Material Properties
- › Simulation
- › Surface Treatment



Multi-Material Systems

- › Fibre Reinforced Plastics
- › Integrated Metal Structures
- › Recycling

Integrated Process Optimization

Automation

Digital Manufacturing

TraCLight Project Matching

R&D Projects between Germany, the USA and Canada

Project "Metal Powder" (HiPTSLAM)



Project "Utility CAR" (JoReiSan)



Project "CAR Body" (HyWet)



LEGEND

DLR
German Aerospace Center

Fraunhofer ICT
Fraunhofer Institute for Chemical Technology

KIT
Karlsruhe Institute of Technology

FPCC
Fraunhofer Project Center for Composite Research

Open to Further Project Development