

EU Brokerage Event

on Industrial KET* in Horizon Europe

*Key Enabling Technologies

10th November 2022 • Strasbourg

Conference &
Bilateral/B2B Meetings

Calls
2023- 2024

Project idea/ Field of expertise:

Hybrid fiber and metal structure reinforced thermoplastic material

Organisation Name:

Leibniz-Institut fuer Verbundwerkstoffe
(Coordinator)

Addressed topic(s):

HORIZON-CL4-2023-

TWIN-TRANSITION-01-02:

„High-precision OR complex product manufacturing – Potentially including the use of photonics”

Leibniz-IVW

Institute for composite materials



EXPERTISE

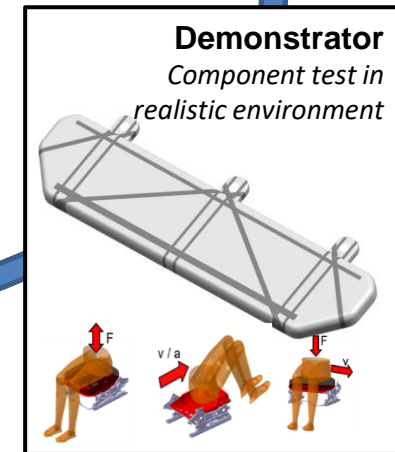
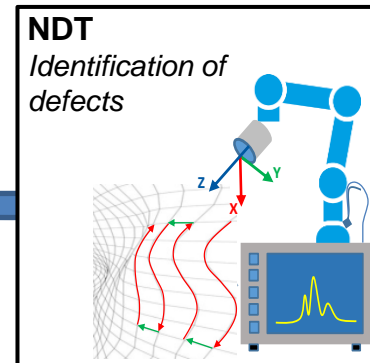
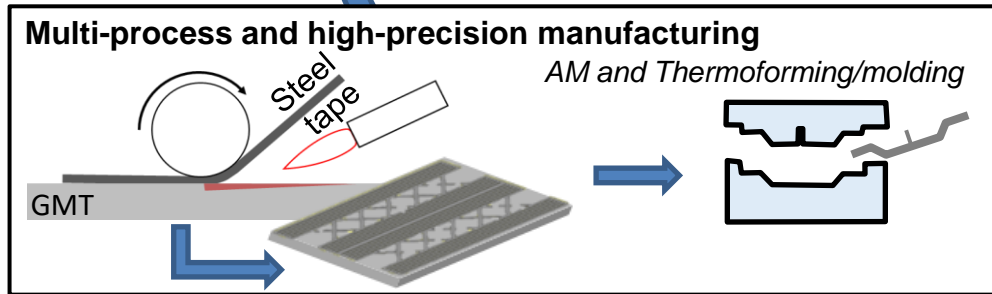
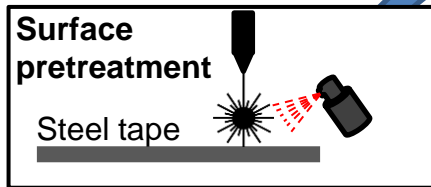
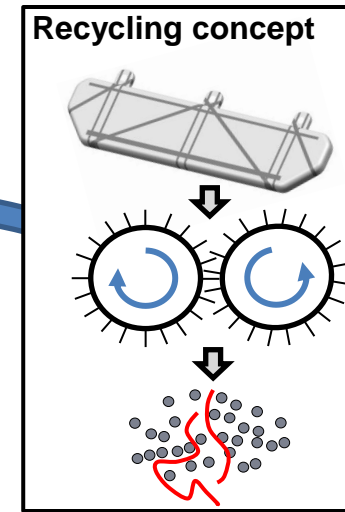
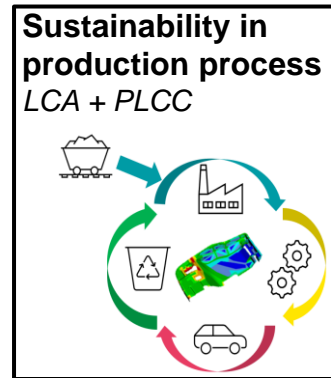
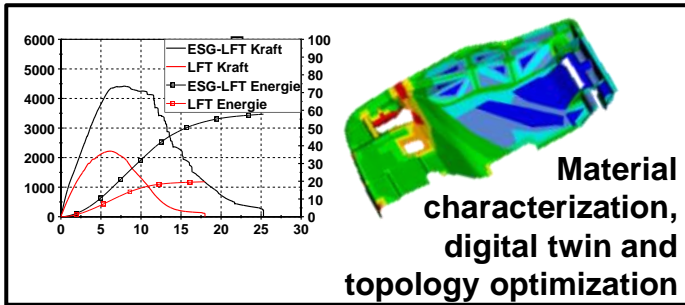
- Research of **future applications** of **polymer composite** materials
- Tailoring new materials, construction methods and **manufacturing processes** for the respective requirements
- **Characterization and** simulation of materials and processes
- Life cycle: from construction methods and production technology to component testing and recycling
- Tailored **thermosets** and **biomaterials**
- Technology center thermoplastic composites (TTC)

EXPERIENCE

- Participation as partner in more than 50 projects since FP4
- Project coordination of one FP7 & one H2020 project

HYBRID STEEL TAPE + THERMOPLASTIC COMPOSITE:

→ high mechanical performance → cost-sensitive → crash robust → flexible reinforcement along loadpath → improved load introduction → very short cycle times → recyclable & sustainable



Searching for consortium partners from industry (IA, 60% funding):

- Surface pre-treatment of steel (i.e. primer, coating, laser, ...)
- Automation of manufacturing process
- NDT technology provider
- Potential end users with use case example

Contact details

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