The Workgroup works on the consolidation of the high-potential overmolding technology of thermoplastic FRP inlays for series production with partners of industry and RWTH Aachen University since 2013. The Workgroup so far has initiated 5 Joint Partner Projects.

Road Map of the Workgroup
Business Platform “Thermoplastic Composites”

AZL Business Platforms were built in addition to the R&D activities of AZL workgroups and provide you with details on lightweight technologies. Get focused information on thermoplastic composites, find a broad range of service and products along the entire value chain, explore use cases to learn on present realized applications and technology solutions, contact your business partners for your individual thermoplastic solutions.

Visit us at www.tp-composites.com

OTHER AZL BUSINESS PLATFORMS

WORKGROUP HISTORY

3 INITIAL WORKSHOPS
- 2014
  - Benchmark 1 shot vs. 2 steps
  - Expert interviews: Transferation of experience from consumer to automotive market

WORKGROUP MEETINGS
- 2015
  - Sep 4
    - Status quo in integrative simulation
    - Benefits of post-reinforcement of plastic parts

- 2016
  - Sep 15
    - Simulation tools for draping of UD-laminates (macro and micro scale)
    - Handling and fixation technology – a review
  - Sep 18
    - Expert interviews: Identification of aspects within HTC processing with pre-competitive research potential
    - New approaches in integrative design-to-cost tools

- 2017
  - Feb 22
    - Expert interviews: Design procedure and material data
    - Overview on existing guidelines for part and mold design
  - Nov 7
    - Overview on all published demonstrator parts
    - Historical analysis of TPC: In automotive market
    - Design study on real demonstrator

UPCOMING ACTIVITIES
- Visit www.tp-composites.com/dates

SPEAKERS
- Joost van Lindert | Cato Composites
- Dr. Mathias Dietz | Isola
- Nicolas Quick | Reifenhäuser Reicofil
- Pablo Wilms | Lanxess
- Dennis Bublitz | ESI GmbH
- Henning Janssen | Fraunhofer IPT
- Johannes Marder | IKV
- Clemens Buschhoff | Fraunhofer IPT
- Dr. Marcus Schuck | HBW-Gubesch Thermoforming GmbH
- Christoph Hinse | Simpatec
- Hans-Christian Früh & Dr. Christoph Greb | ITA
- Warden Schijve | Sabic
- Harold van Aken | Code Product Solutions
- Felix Haschke | IKV
- Dr. Marc Huisman | DSM
- Christian Beste | IKV
- Malena Schulz | Fraunhofer IPT
- Dr. Silke Witzel | Evonik

& VARIOUS PRESENTATIONS ON STATE OF THE ART BY AZL

HISTORICAL ANALYSIS OF THERMOPLASTIC COMPOSITE SERIES APPLICATIONS IN AUTOMOTIVE MARKET

QUALITATIVE INFORMATION: DESCRIPTION OF VISIBILITY OF TPC TECHNOLOGY

40 involved Partners with active participation

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