

# iComposite 4.0 – Development of an integrative and self-regulating production system for structural composite parts

International Project Symposium | Aachen | Tuesday, 19<sup>th</sup> of September 2019 | 9.00 am – 4.00 pm

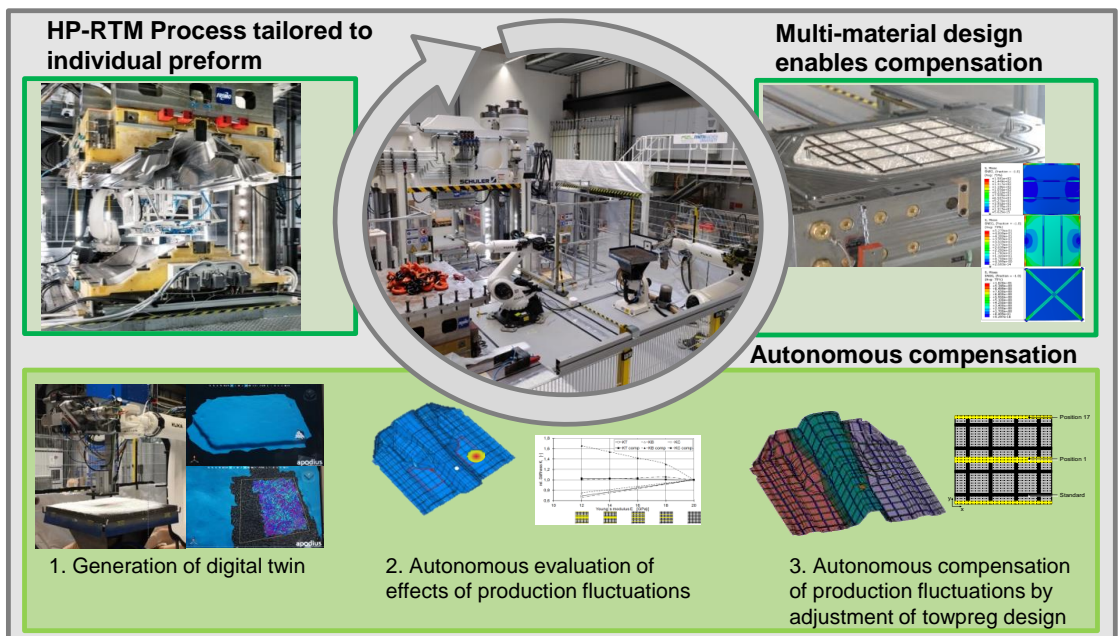
## Program

Project presentation & overall results - OEM/ tier 1 talk “Scrap reduction & smart production systems in industrial life” - Networking lunch - Presentations of individual project partners - Live demonstration of the production system - Get together/ lab tours AZL + IKV

## Project Approach

Outcome of this research project is a production system which combines the direct preforming technologies 3D Fiber Spraying and Towpreg Placement with a HP-RTM process for structural composite parts. In addition to a significant reduction in fiber scrap, the production system is capable to evaluate the effects of its own production fluctuations and - for the first time – to autonomously compensate these in the Towpreg Placement step.

The cost saving potential of 50 % compared to classic, textile-based RTM process chains is demonstrated via the case study of an automotive floor pan.



## Project Partners



## Register

Please register until 31<sup>st</sup> of August 2019 at [verwaltung@azl.rwth-aachen.de](mailto:verwaltung@azl.rwth-aachen.de) or +49 (0) 241 80 24511

## Address

RWTH International Academy  
Campus Boulevard 30  
Gebäudeteil 1B, Ground floor  
D-52074 Aachen

SPONSORED BY THE



Federal Ministry  
of Education  
and Research

This research and development project is funded by the German Federal Ministry of Education and Research (BMBF) within the “Innovations for Tomorrow’s Production, Services, and Work” Program and implemented by the Project Management Agency Karlsruhe (PTKA). The author is responsible for the content of this publication.