

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

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

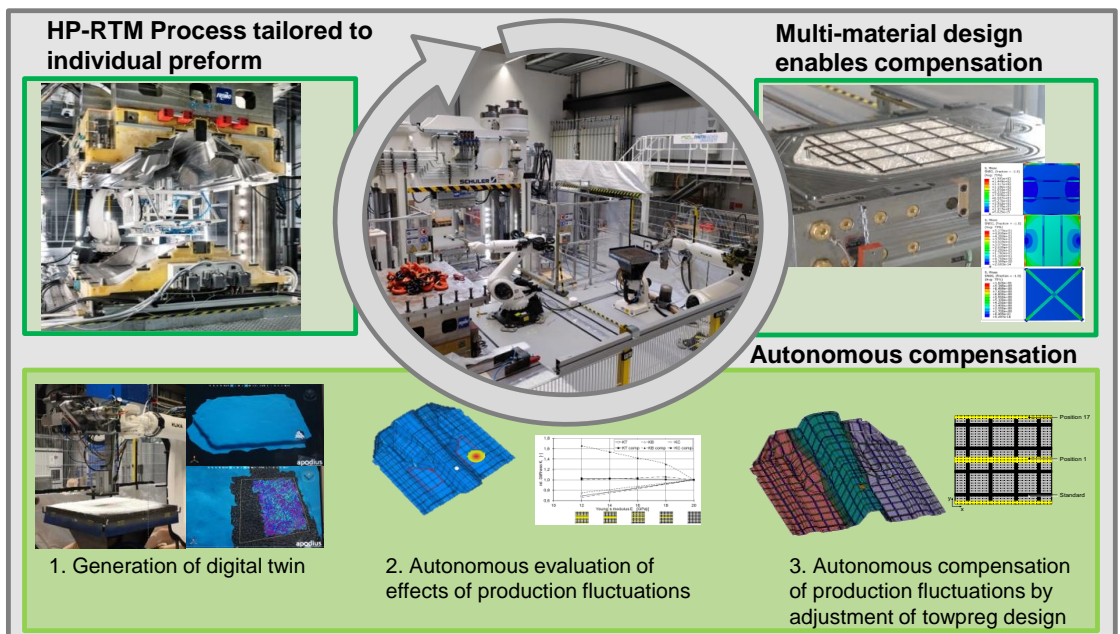
Program

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



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Register

Please register until 31st of August 2019 at verwaltung@azl.rwth-aachen.de or +49 (0) 241 80 24511

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