Umwelt-Campus Birkenfeld | HOCHSCHULE TRIER

re.fact 25

Symposium on Innovation & Automation in Remanufacturing

Umwelt-Campus Birkenfeld, Germany
17th- 18th September 2025

Onsite Event

Leading event on research and product development in circular economy.

Top Speaker

Jeffrey Stukenborg
Head of Portfolio Management Aftermarket for North America – ZF Group | Immediate Past Chair – Remanufacturing Industries Council (RIC)

Dr.-Ing. Daniel C. F. Köhler
Head of Research & Development | Business Unit Truck & Trailer Components

Dr. Hans-Henrik Westermann
Technology Services (MLRT)

Prof. Dr.-Ing. Matthias Vette-Steinkamp
Umwelt-Campus Birkenfeld

Key topics

- Trends in remanufacturing
- Circular economy from the suppliers' perspective
- Hands on technology
- Services for circular economy & remanufacturing
- ECO design/product design & processes
- Robotics & AI in remanufacturing

Register now:

https://www.remanufacturing.academy

Contact: Prof. Dr.-Ing. Matthias Vette-Steinkamp
E-Mail: robotik@umwelt-campus.de

Organized by: Umwelt-Campus Birkenfeld
Trier University of Applied Sciences

Endorsed by: Rematec, APRA Europe AISBL

For more information visit www.remanufacturing.academy
For more information about arrival and accommodation visit www.remanufacturing.academy/arrival-and-accommodation/

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Cofinancé par l'Union Européenne Kofinanziert von der Europäischen Union
PAE-e-green

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Program

Day One, 17th September 2025

12:30	Arrival and Networking Lunch
13:30 - 14:00	Welcome by Vice President Prof. Dr. Henrik te Heesen and hosts Prof. Dr.-Ing. Matthias Vette-Steinkamp and Fernand Weiland
14:00 - 14:20	**Dr. Daniel C. F. Köhler, BPW, APRA Europe:** Remanufacturing - The most sustainable and complex business lacking a reference system model
14:20 - 14:40	**Lorenzo Gaspari, CPI, APRA:** Advancing Remanufacturing: Insights from Current Research and Emerging Trends
14:40 - 15:00	**Felix Bantle, FIR Aachen:** Implementation of value-adding circular economy using the example of an eternal washing machine Project
15:00 - 15:15	Coffee Break / Exhibition
15:15 - 15:45	**Jeffrey Stukenborg, ZF Group, Remanufacturing Industries Council (RIC):** ZF Remanufacturing: Designing for Circularity, Driving Sustainable Solutions
15:45 - 16:15	**Alexey Tirtichny, Murata**
16:15 - 17:00	Presentation Exhibition and Coffee Break
17:00 - 17:45	Lab Tour and Workshops
18:15	Champagne reception
19:00	Dinner at Campus
20:00	End of the day at KADU, the university's on-campus bar

Day Two, 18th September 2025

9:00 - 9:15	Welcome by host Prof. Dr.-Ing. Matthias Vette-Steinkamp
9:15 - 9:45	**Dr. Hans-Henrik Westermann, MTU Maintenance:** Boost for climate protection: How the repair of turbine blades contributes to sustainable aviation
9:45 - 10:15	**Mike Hague-Morgan, Autocraft Solutions Group Ltd:** Remanufacturing of EV Batteries - Essential for successful adoption of Electric Vehicles
10:15 - 11:00	Coffee Break / Exhibition
11:00 - 11:30	**Zhang Wei, President Institute of Remanufacturing Industry Technology, Jing-Jin-Ji:** Current Situation and Technological Development of China's Remanufacturing Industry
11:30 - 12:00	**Andreas Letsch, Bosch Rexroth:** Factory Automation Battery Factory Automation for Advanced Battery Systems: From Assembly to End-of-Life
12:00 - 12:30	Lunch at campus
12:30 - 12:50	**Yves M. Klein, Neura Robotics:** Humanoid and Cognitive Robotics: Building the Platform for the Next Industrial Era
12:50 - 13:10	Enabling Remanufacturing Through Digital Product Passports: Data, Traceability, and Impact
13:10 - 13:30	**Axel Horstmann, Kautz Starkstromanlagen GmbH, Horstmann & Schwarz GmbH & Co. KG**: From Energy Insight to Impact: Systemic Strategies for Efficiency, Sustainability and Profit
14:00 - 14:30	**Prof. Dr. Erik Sundin, Linköping University:** Designing for Circularity: Insights from 25 Years of Research
14:30	End of the event

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PAE-e-green

re.fact 25 meets PAE-e-green:
Decarbonising the E-Mobility Value Chain in the Greater Region

An EU-funded project for sustainable mobility and strong regional cooperation.

Project Goals

Reduce the carbon footprint across the entire e-mobility value chain

Promote sustainable production and consumption models

Integrate circular economy principles into the mobility sector

Demonstrators as Innovation Drivers

Development of practical solutions for:
Production
Supply chain & infrastructure
Recycling & end-of-life use

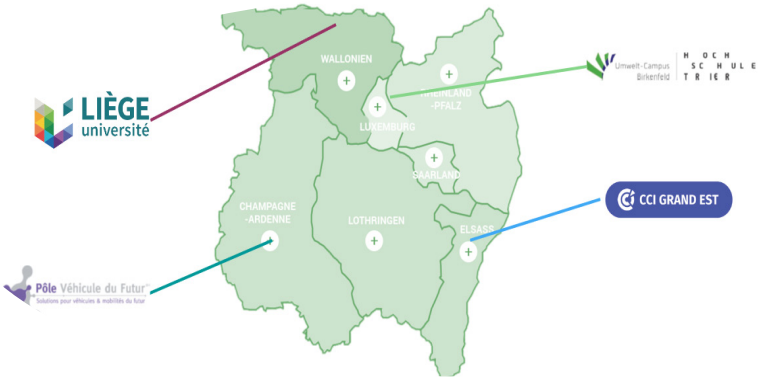
Focus on measurable CO_2 savings and climate impact reduction

Strong Network & SME Support

Collaboration between research, industry & innovation partners

Targeted support for SMEs in implementing sustainable practices

Creation of a cross-border knowledge and innovation network



PAE-e-green and the international symposium re.fact 25 share a strong focus on carbon footprint reduction, circular economy, and industrial reuse. Both initiatives promote a climate-friendly, circular industry through dialogue, practical examples, and knowledge exchange.

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