

# SHORT INTRODUCTION



Prof. Dr.-Ing. Achim Kampker MBA | Institutsleitung

## **The chair “Production Engineering of E-Mobility Components” of RWTH Aachen University**

The chair “Production Engineering of E-Mobility Components” (PEM) of RWTH Aachen University was founded in 2014 by Professor Achim Kampker. In eight research groups, the team is dedicated to all aspects of the development, production and recycling of battery systems and their components as well as fuel cells and the production of the electric powertrain and entire vehicle concepts.

At the main site in the “European Science and Business Park Avantis” as well as in the electric mobility laboratory “eLab” on RWTH Aachen campus and in the electric truck research hall in Aachen-East, around 75 researchers, 32 employees in technology and administration and more than 130 student assistants are employed. PEM’s focus is always on sustainability and cost reduction – with the goal of a seamless “innovation chain” from basic research to large-scale production in the immediate vicinity.

Benefiting from Professor Kampker’s experience as co-inventor of the electric vehicle “Streetscooter” and managing director of StreetScooter GmbH, among others, the PEM team is active in teaching, in nationally and internationally funded research projects, and in collaboration with industrial partners.

Eight PEM groups are conducting research in various projects, also with partners from industry, on the production and sustainability of batteries, electric motors, fuel cells, and entire vehicle concepts. Those groups are divided into:

- Battery Production Technology
- Battery Production Management
- Battery Components & Recycling
- Battery Engineering & Safety
- Electric Drive Production
- Fuel Cell
- E-Mobility Production Engineering
- Micromobility

PEM provides the breeding ground for partly interconnected spin-offs and mobility products such as “PEM Motion”, “Velocity Aachen”, and “Ducktrain”.

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<https://www.pem.rwth-aachen.de/cms/PEM/~fecu/Der-Lehrstuhl/lidx/1/>

<http://www.elab.rwth-aachen.de/en/>