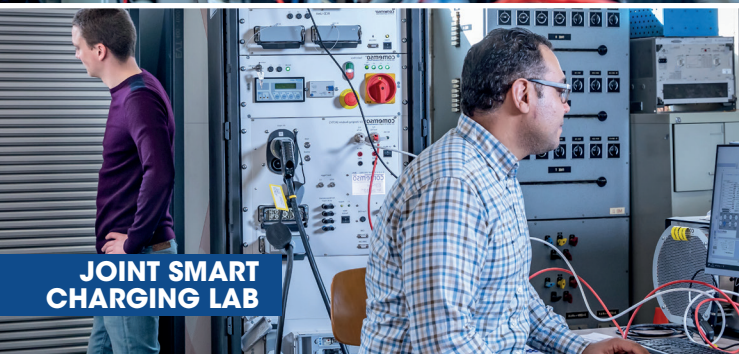


**POWER ELECTRONICS INNOVATION LAB**



**POWERTRAIN INNOVATION LAB**



**JOINT SMART CHARGING LAB**



**POWER ELECTRONICS RELIABILITY LAB**



# YOUR EXPERT RESEARCH GROUP FOR CUTTING-EDGE TECHNOLOGIES IN POWER ELECTRONICS, POWERTRAINS AND SMART ENERGY SOLUTIONS

## WE PROVIDE

Reliable, green, smart, efficient and high-tech solutions by designing and prototyping new and advanced power electronics topologies, modular powertrains and flexible energy assets that can be used for tomorrow's automotive and stationary applications, with an ever-growing team of experts and researchers.

## WE APPLY

Various advanced and innovative control algorithms, testing protocols and dynamic models for improving control and energy management strategies, and for boosting the efficiency of your design under a wide variety of loading conditions.

## WE OFFER

- Design and prototyping of emerging power electronics converters and modular powertrain concepts
- Codesign optimization
- Cloud-connected digital twin modeling and validation
- EV modeling & testing
- ECO strategies implementation
- Smart Green Grid Solutions
- Optimization and management of V2X smart charging
- Hardware-in-the-Loop (HiL) testing and validation
- Reliability and conformance testing
- Mission profile-oriented lifetime testing



## CONTACT

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