



Smart Pro

» Key to Smart Products!

SmartPro – Key to Smart Products!

In cooperation with more than 60 partners from industry and science in the research network SmartPro, Aalen University works on smart materials and intelligent technologies for future products. Improved energy efficiency, resource conservation and climate protection are central goals of SmartPro: a driving force for a high quality of life – also tomorrow!

SmartPro's research priorities lie in the application fields of energy converters, energy storage systems, and lightweight design – in close collaboration with the cross-sectional technologies of Additive Manufacturing and Machine Learning.



Become part of the success story!

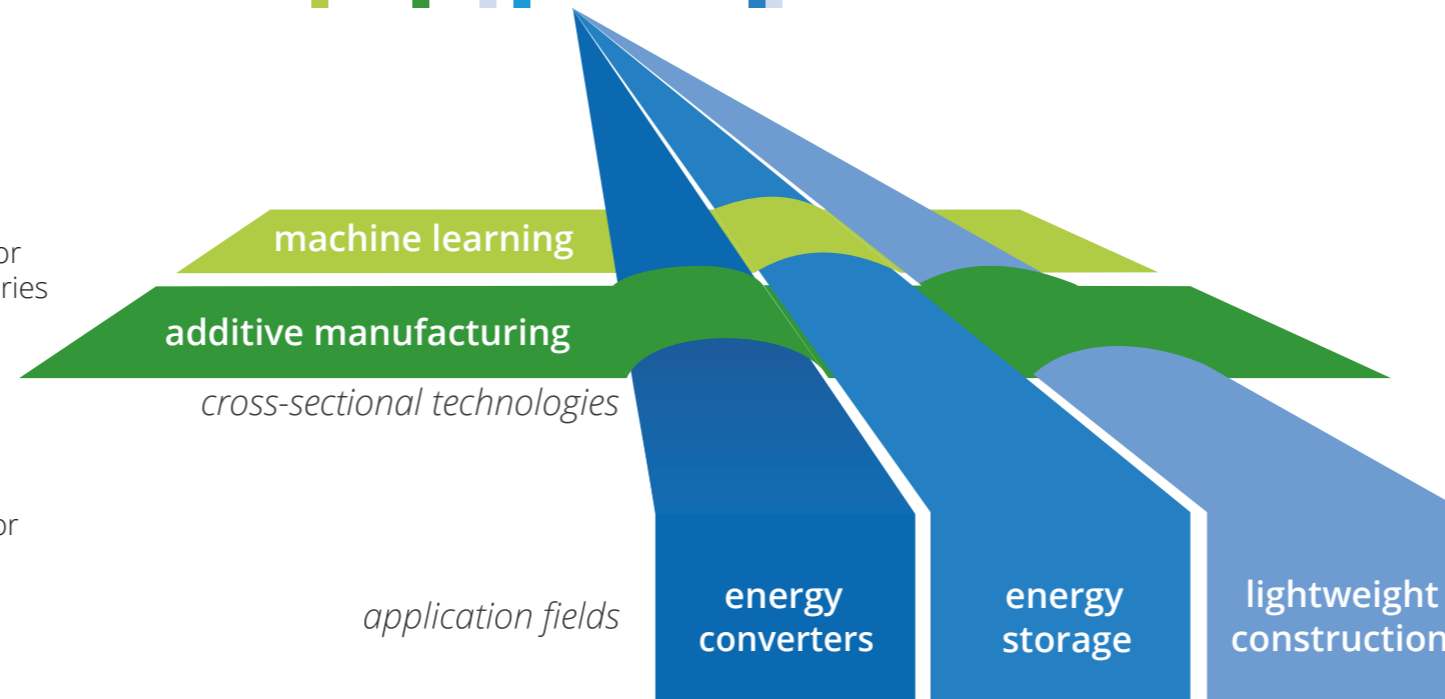
Material and technology innovations of SmartPro offer solutions for societal challenges such as climate protection, sustainability, and digital transformation. A real success story – for the industrial partners, the region, and beyond. Maybe in the future for you, too?

Get actively involved with your know-how about products, systems, and market requirements. Benefit from both the trusting collaboration with top researchers and the outstanding research infrastructure at Aalen University.

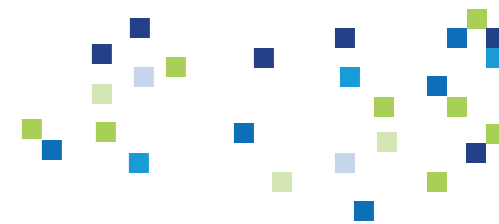
We look forward to discussing **trendsetting ideas and cooperation opportunities** with you – for new application-oriented research projects.



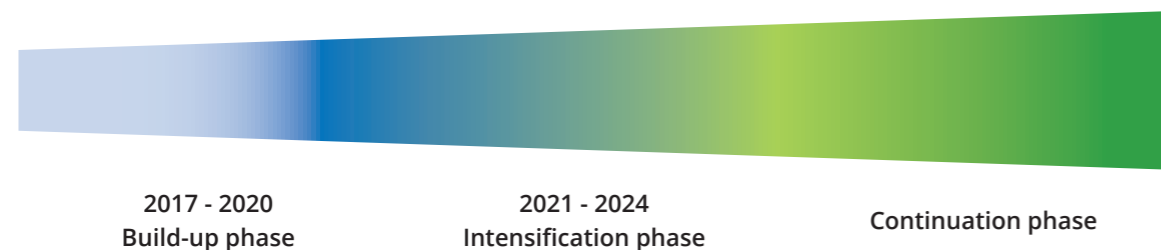
- Energy converters**
Magnetic materials and systems for efficient electric motors
- Energy storage systems**
Material concepts and processes for lithium-ion and all-solid-state batteries
- Lightweight design**
Die casting strategies and hybrid lightweight designs
- Additive Manufacturing**
Production technologies for resource conservation
- Machine Learning**
Quality-assured production through Artificial Intelligence



Come and talk to us!



Due to the **great importance of the SmartPro cooperation network - for our environment, our society, and our economy** – the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF) has been funding SmartPro with around 10 million euros since 2017. Industrial partners additionally contribute almost two million euros. The goal is to steadily expand and jointly develop the research activities.



Your advantages within SmartPro

- Exchange with top researchers and global players
- Access to the research infrastructure of Aalen University
- Direct contact with highly qualified future employees
- Qualification and training on future topics



Excellent

Aalen University is one of the strongest research universities of applied sciences in Germany.

Future-oriented

In our research projects, we address future materials and technologies and train highly qualified specialists.

Sustainable

Together, we realise innovative ideas for climate protection. With us, you make sustainable investments in your future.

What makes SmartPro stand out

Growing

Aalen University is steadily expanding its modern research infrastructure: new buildings, laboratories and equipment.

Profitable

Cooperation projects with Aalen University are rewarding for you – by leverage and a long-term perspective.

Wide-ranging

Top researchers contribute their expertise and ideas – also from numerous related research projects of Aalen University.

Contact persons

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Back cover: Facade of the new research buildings. | Photo: Jan Walford



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Hochschule Aalen

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