

## Research centre SCALE: ground-breaking ceremony on Campus Maschinenbau



### Auf einen Blick

- Research centre SCALE established near the PZH
- Research topic: large-scale products
- Research objective: scale independent and modular production technology
- New building costs 49.6 million euros
- Completion planned for 2022

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**PZH | More efficient and sustainable production of large-scale components for use in wind turbines, aircraft and ships – this is the research topic of SCALE, the new research centre of Leibniz Universität Hannover. Björn Thümler, Lower Saxony's Minister of Science and Culture took part in the ground-breaking ceremony.**

The new research building will be established in the neighbourhood of the Hannover Centre for Production Technology (PZH). Its completion is planned for 2022. The building and the large-scale equipment will cost a total of around 49.6 million euros, funded in equal shares by the Land Lower Saxony and the Federal Government.

Eleven large-scale facilities, among them a mobile servo press, assembly and production platforms, two additive production systems, indoor laser GPS and a multi-axis dynamic load test bench, will be installed on a usable area of approx. 7,000 square metres. A central hall with a height of ten metres and laboratory areas allow the handling of large-format components. So far, the production of large-scale components is limited by the size of the machines used. Larger component sizes thus require completely new production concepts and machines.

On the occasion of the breaking-ground ceremony, Lower Saxony's Minister of Science and Culture Björn Thümler said: "The university competencies in the field of scalable production will be concentrated in the research centre SCALE, thus enhancing Lower Saxony's profile as a science location considerably."

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