

# Rhineland-Palatinate University of Technology Kaiserslautern-Landau (RPTU)

*Expertise in solid construction and building construction*

## About this organisation

### Machine translation

This organisation has been machine-translated based on data provided in German.

The Rhineland-Palatinate University of Technology Kaiserslautern-Landau was created on 1 January 2023 by merging the TU Kaiserslautern and the Landau campus of the University of Koblenz-Landau. The Department of Concrete Structures and Building Construction, which is part of the Department of Civil Engineering, teaches, researches and tests in the areas of connections and joints, load-bearing structures and energy, design, concrete, masonry, wood and non-metallic reinforcement materials.

The research focus of the Chair of Building Construction and Precast Construction of Prof. Dr.-Ing. Matthias Pahn of the Department of Solid Construction and Building Construction is on non-metallic reinforcement with glass, carbon and basalt fibres in the form of inert reinforcement as an alternative to conventional reinforcing steel, short fibres and lamellae for external reinforcement, as well as other high-performance materials that are necessary for the realisation of innovative, lightweight structures.

Paul-Ehrlich-Straße 14  
67663 Kaiserslautern  
Rhineland-Palatinate  
Germany

[bauing.rptu.de/ags/massivbau](http://bauing.rptu.de/ags/massivbau)

**Main areas covered** Innovative solid construction

**Infrastructure**

**Certifications**

**Keywords**

**Memberships**



### Organisation type

University or higher education institution

### Sectors



### Employees

10 up to 49

### Turnover

n/a

### Funding

n/a

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## Overview of lightweighting expertise

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Manufacturing  
Research   Development   & Supply

#### Offer

*Products*

#### Services & consulting

Testing and trials, Engineering, Standardisation, Validation, Simulation, Technology transfer, Approval



#### Field of technology

*Design & layout*

*Functional integration*

*Measuring and testing technology*

*Modelling and simulation*

*Plant construction & automation*

*Recycling technologies*

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Manufacturing  
Research   Development   & Supply

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

*Processing and separating*

*Textile technology*

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

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## Contacts

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This organisation has been machine-translated based on data provided in German.

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