

Carl  
Benz  
School

**Carl Benz School of Engineering**  
Mechanical Engineering College  
of the Karlsruhe Institute of Technology



Becoming ... the Next Level

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## **Smart Factory@Mercedes-Benz**

Take part in an innovation challenge at Mercedes-Benz



Get the chance to work on an exciting question from the field of production at Mercedes-Benz and create innovative solutions.

# Hands-On Experience: Smart Projects

## Smart Factory@Mercedes-Benz



### About the Program

- ✔ **One** exciting challenge
- ✔ Challenge period:  
**November 10<sup>th</sup> - December 9<sup>th</sup>, 2025**  
Starting with an onboarding week at KIT from November 3<sup>rd</sup>-9<sup>th</sup>
- ✔ Work **digitally** on one challenge as **part of a team** of 4 students
- ✔ Workload about 10-20 hours per week
- ✔ Work **remote** from wherever you want
- ✔ Regularly meetings with academic experts from the KIT and Mercedes-Benz experts for support while working on the challenges
- ✔ **On site Onboarding day** at Mercedes-Benz plant in Sindelfingen and on site Final Pitch Event at Mercedes-Benz with Mercedes-Benz top management.

### Awards

#### Recognition for the winning groups

- ★ Mercedes-Benz Driving Experience
- ★ Mercedes-Benz Museum Guided Tour
- ★ Mercedes-Benz Merchandise Package

**Apply until**  
**August**  
**31<sup>st</sup>, 2025**

### About the Challenge

#### What Problem should be solved?

#### Vision control – Body Shop – GUI development

In order to improve the quality in the direction of the paintwork, the detection of defects on the outer skin of the body is to be automated. For this aspect, an AI was implemented, which now requires a graphical user interface with an analysis function.

#### What innovative outcome is expected?

In order to display the results of the AI evaluation on a screen for the employee, a graphical user interface is required, which also includes an analysis function where the tested vehicles and the number of errors are shown.

### Academic Co-Creation Team

#### Mercedes-Benz Project Team:



**Fabienne Kad**  
Talent Networks HR  
Mercedes-Benz



**Sabine Pieper**  
Talent Networks HR  
Mercedes-Benz

#### Mercedes-Benz Experts:



**Dr. Andreas Sulzberger**  
Head of Production S-Class



**David Winkler**  
DP System  
Administrator

#### KIT Buddies:



**Kira Wendling**  
KIT



**Etienne Hoffmann**  
IFL

#### Carl Benz School of Engineering

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