



VDE E-Race 2026

Cost and Manufacturing Event - Realcase

This year, we ask you for a presentation concerning the following scenario: Your team has developed an electric Formula Student vehicle platform optimized for racing performance.

A technology sponsor asks your team to adapt this platform into a demonstrator vehicle for an upcoming technology exhibition. The new system must integrate additional sensors, computing hardware, and data logging capabilities while minimizing changes to the existing vehicle architecture.

Please present how you would derive and structure the new requirements and adapt the existing system architecture. Furthermore, please identify affected subsystems and estimate development and integration costs. Finally, evaluate trade-offs between reuse and redesign.

Your presentation should meet the following requirements:

- Max. 10 min.
- Max. 2 Flip chart pages, (prepared or unprepared, maximum size: 98 cm x 67.5 cm)
- No handouts, no electronic devices