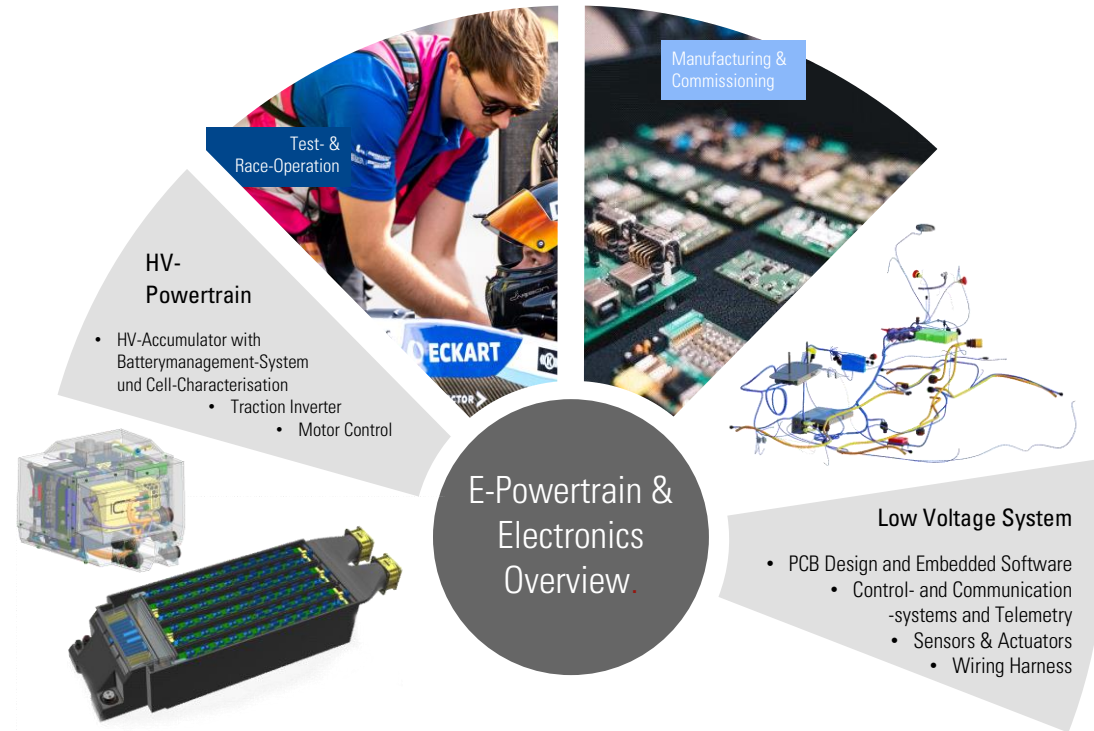


E-/E-Architecture - Wiring Harness



Avoid cable clutter – Why planning a wiring harness is important

Various systems in our race car have to be supplied with power - signals and data have to be transmitted between components. The interface of all these components is the wiring harness with cables and connectors. For this purpose, a circuit diagram is drawn up and cable routes and cross-sections are determined so that the versatile vehicle systems can function reliably. To make optimum use of the installation space in the vehicle, a 3-dimensional model of the wiring harness is created in the CAD overall vehicle model. Here it is particularly important to know the cross-group and interdisciplinary interfaces in the vehicle.

We develop and manufacture our wiring harness completely independently in order to achieve the best possible adaptation to our electrical system. For this we use the programs "Mentor Graphics Capital" and "Siemens NX". The support of the system includes manufacturing, commissioning and maintenance of the entire electrical wiring.

What will be your tasks?

- Familiarization with existing vehicle systems
- Design and further development of the new wiring harness
- Manufacturing and servicing of the wiring harness
- Collaboration in electrotechnical tasks (e.g. on the batteries, code adaptations, etc.)
- Collaboration on cross-group tasks (e.g. testing, manufacturing)

What are our requirements for you?

- Motivation and team spirit
- Interest in many electrical engineering topics
- Craftsmanship and interest in interdisciplinary tasks
- Participation in weekly appointments
- Knowledge of the subjects "Praktikum ET1 / ET2 / MTL" is advantageous
- Experience in working with circuit diagrams and with CAD programs such as Siemens NX or similar is advantageous



One Goal.
One Team.

Would you also like to accompany your component from CAD to the race track? Apply on our homepage!



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