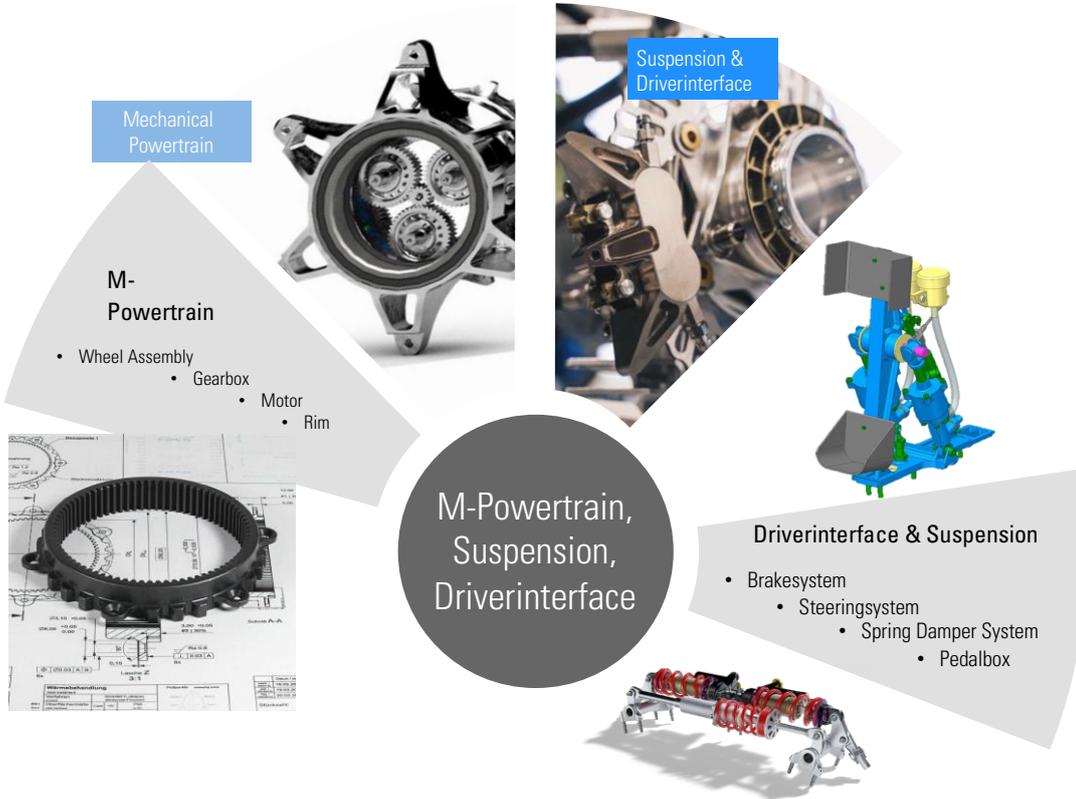


M-Powertrain, Suspension, Driverinterface

Mechanical – Part Development



One Goal.
One Team.

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



www.ecurie-aix.de/bewerbung



What is the Mechanical Group?

We are responsible of all the mechanical assemblies of the racing car. These include the brakes, the steering, the mechanical drive train and the spring-damper system. Together with the brake system, the pedal box is responsible for acceleration and braking in normal and autonomous operation. In the braking system and brake actuators in particular, the regulations impose a number of requirements for the safety-relevant systems. In the design and simulation, the focus is always on reliability and weight saving are always at the forefront. In order to develop a car that is as fast as possible, it is very important to have a balanced suspension setup. This ranges from the rim to the wheel carrier and the spring damper system. Just as important is a reliable and efficient drivetrain, in which we try to increase the power density every year.

What will your tasks be?

- Development and elaboration of the entire system as well as individual components
- Design with Siemens NX
- Simulation with Nastran
- Assembly, maintenance & documentation of your assembly
- Collaboration on cross-group tasks (e.g. testing, manufacturing)
- Participation in team and group meetings

What are our requirements for you?

- Motivation and team spirit
- Basic mechanical knowledge
- Craftsmanship
- Attendance at weekly appointments
- Ideally previous knowledge in the use of CAD programmes
- Ideally knowledge of machine design
- Good German/English skills