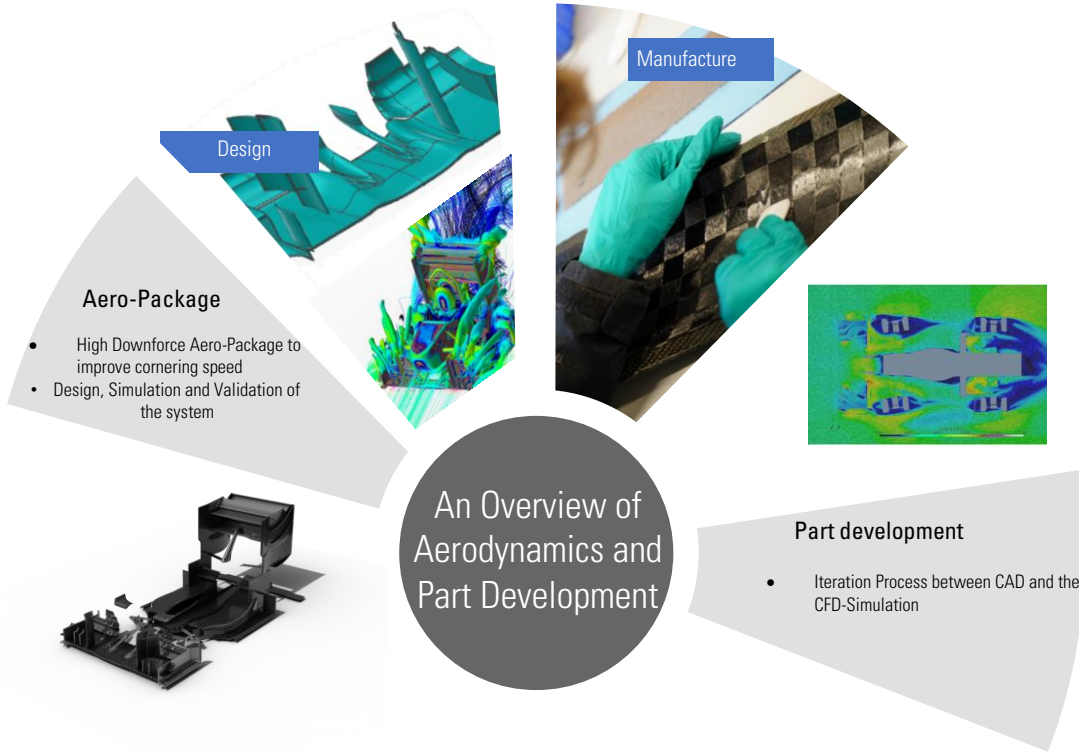


## Aerodynamics

# Aero-part development



## What is the Part development about?

For our aero package we focus most in downforce, the reason for this is the track with very tight corners where the competition is located. Every season we try with the implementation of new aero components and the continuous adaptation of old components to increase the downforce as much as possible. Although in most cases higher downforce equals better performance during development you also have to watch out for sensitivity and drag.

Part development starts with the design of the first version of the component. To determine the aerodynamic influence of the part, the part is simulated in CFD. From that point on, the iterative process between design, to adjust the geometry and position, and the CFD simulation, to determine the new influence of the component, starts. After the development, the component is manufactured and finally assembled in the vehicle.

## What will be your tasks?

- Design and simulation of an Aero-part
- Create tooling (mold) of the part
- Cooperation in mechanical tasks (e.g. manufacturing of aerodynamic components)
- Collaboration in cross-group tasks (e.g. testing, event qualification)

## What are our requirements for you?

- Motivation and team spirit
- Interest in Aerodynamics & CFD-Simulation
- Participation in weekly appointments
- Preferably studies in the field of mechanical engineering, physics, CES, computer science
- Ideally prior knowledge of CAD and CFD.



One Goal.  
One Team.

Would you also like to accompany your component from CAD to the race track?

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