



# RESEARCH THESIS

## Diffusor Part-Dev

Following the new regulations, the research and development of a diffusor is something we want to reconsider.

Your task will be to design possible solutions while being in close contact with the rest of the design team. The diffusor will have to take the packaging in the rear monocoque into account.

The diffusor is naturally insensitive to yaw, roll and aerodynamically efficient. But its placement at the very rear of the car makes it prone to flow field issues caused by the other aerodynamic components.

The examination of a pairing with the cooling system or rear wing mounting are encouraged, e.g. blown diffusor.

Following its development, the final geometry needs to be manufactured.



## Tasks:

- CAD Designing diffusor
- CFD analyzing
- Manufacturing final part

## Requirements:

- CAD
- Fluid dynamics knowledge
- Become full-time team member