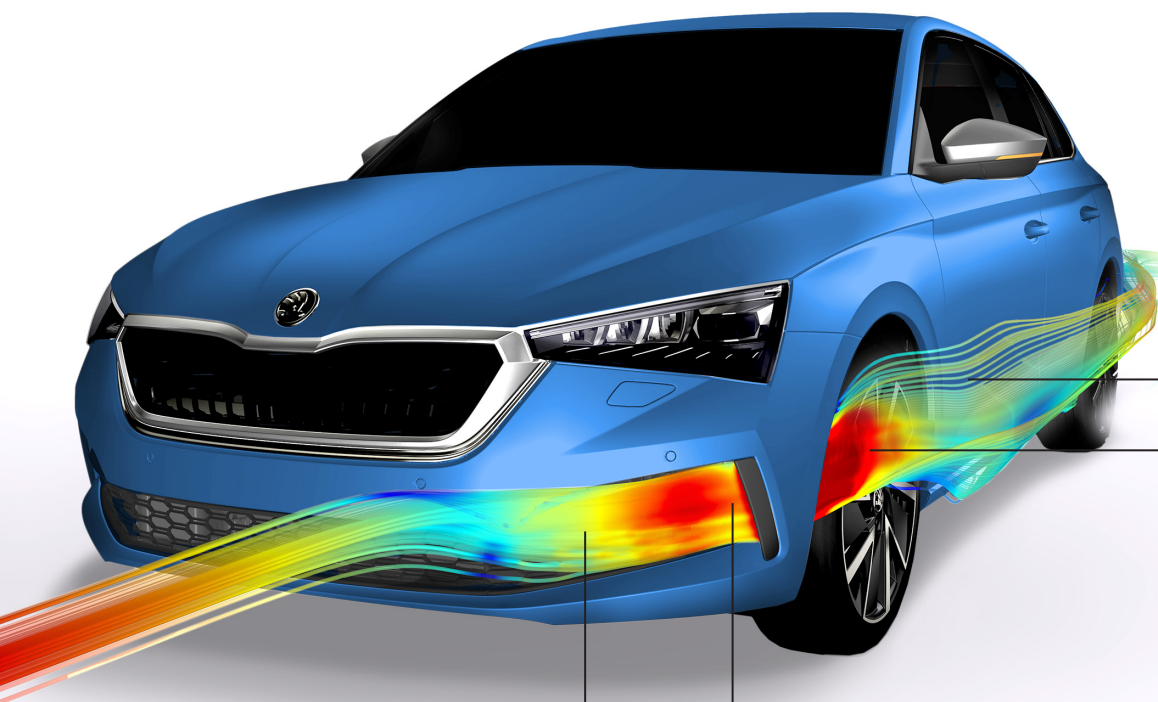


# VEHICLE BODY

ŠKODA

## SCALA

EXCELLENT AERODYNAMIC  
DRAG FROM  **$C_d=0.29$**



### AIR CURTAIN IN THE FRONT BUMPER

The benefit of the Air Curtain is that it minimises the wake behind the front wheels

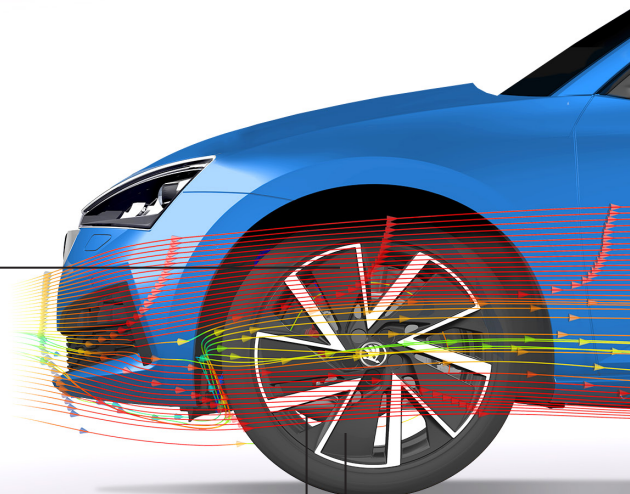
The shape of the Air Curtain duct was developed to synergise with the wheel design. Its final shape was achieved using optimisation algorithms and Artificial Intelligence

The main function of the Air Curtain is to streamline airflow around the front bumper

Air enters the Air Curtain in the bumper and then flows closely alongside the wheels and body

### AERODYNAMICALLY OPTIMISED ALLOY WHEELS

Aero wheels are designed with the highest level of functionality and attractiveness in mind: to ensure perfect brake cooling, reduced drag and provide improved driving stability. A supercomputer was used for advanced simulations during their development.



Vents in the Aero wheels ensure optimal brake cooling with minimal negative effect on the aerodynamics

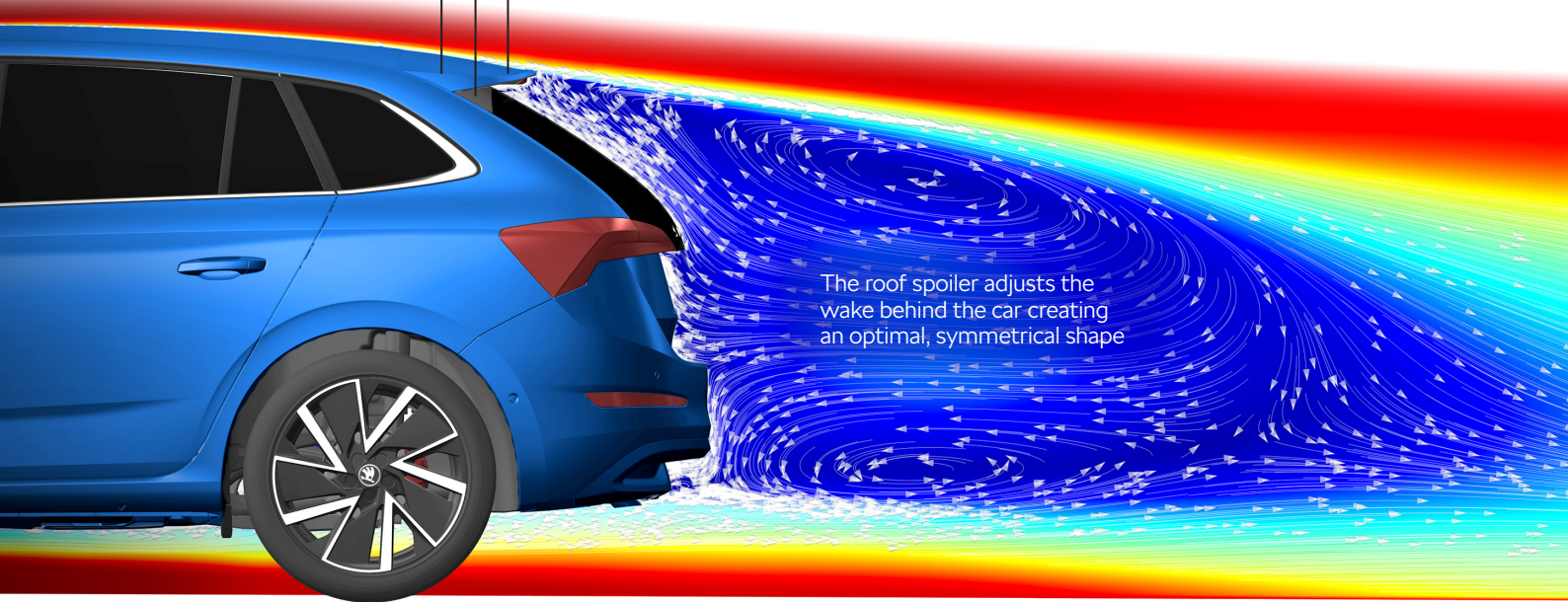
The spokes are designed to maximise aerodynamic performance

### PLASTIC ROOF SPOILER

The roof spoiler minimises drag and maintains adequate downforce. In addition to fulfilling aerodynamic requirements, it also provides the driver with excellent rear visibility

Finlets attached to the roof spoiler reduce vortex formation and drag

The entire roof spoiler was designed and tested in a virtual aerodynamic tunnel. Its final shape is the result of many simulations



The roof spoiler adjusts the wake behind the car creating an optimal, symmetrical shape