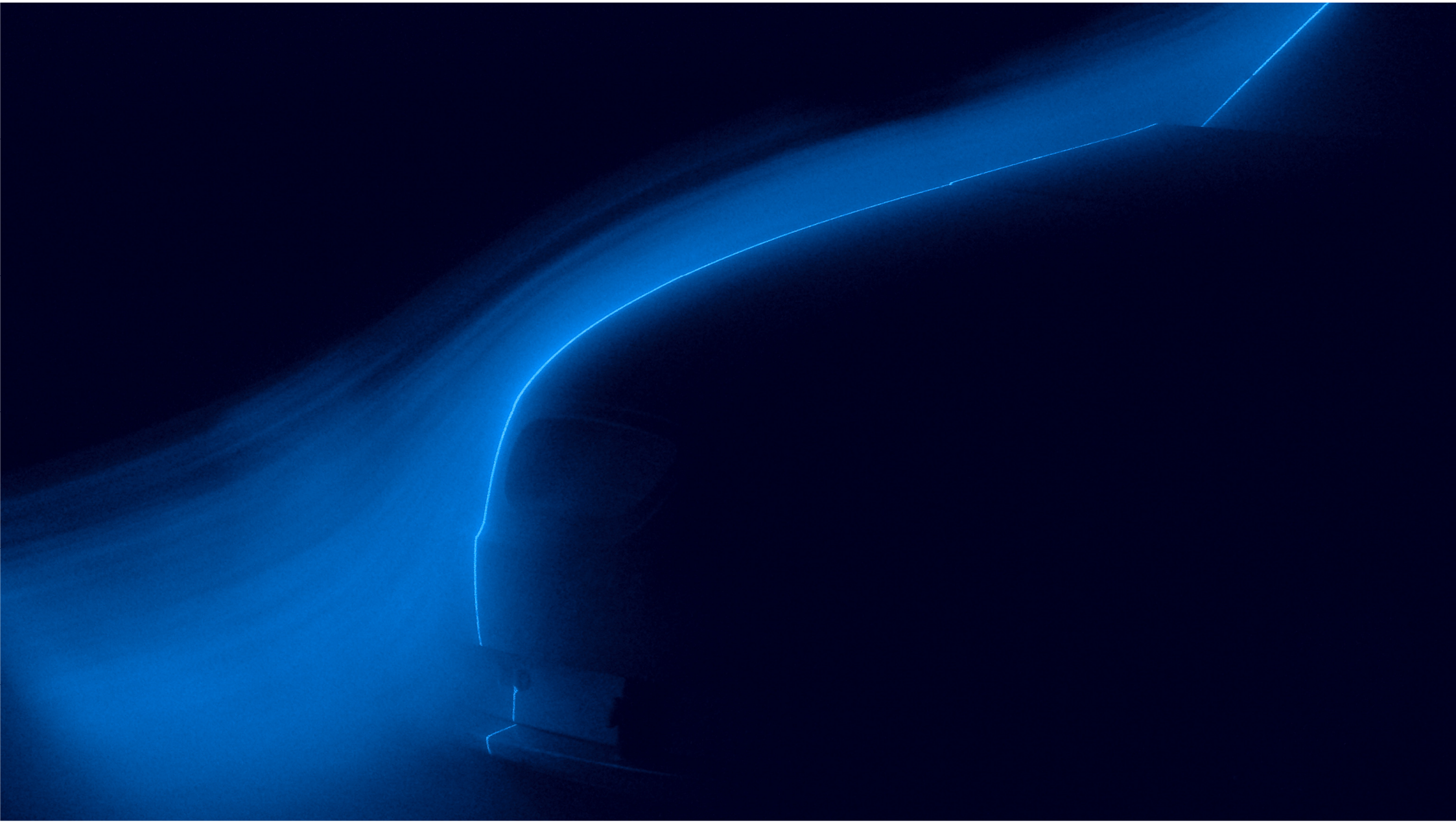
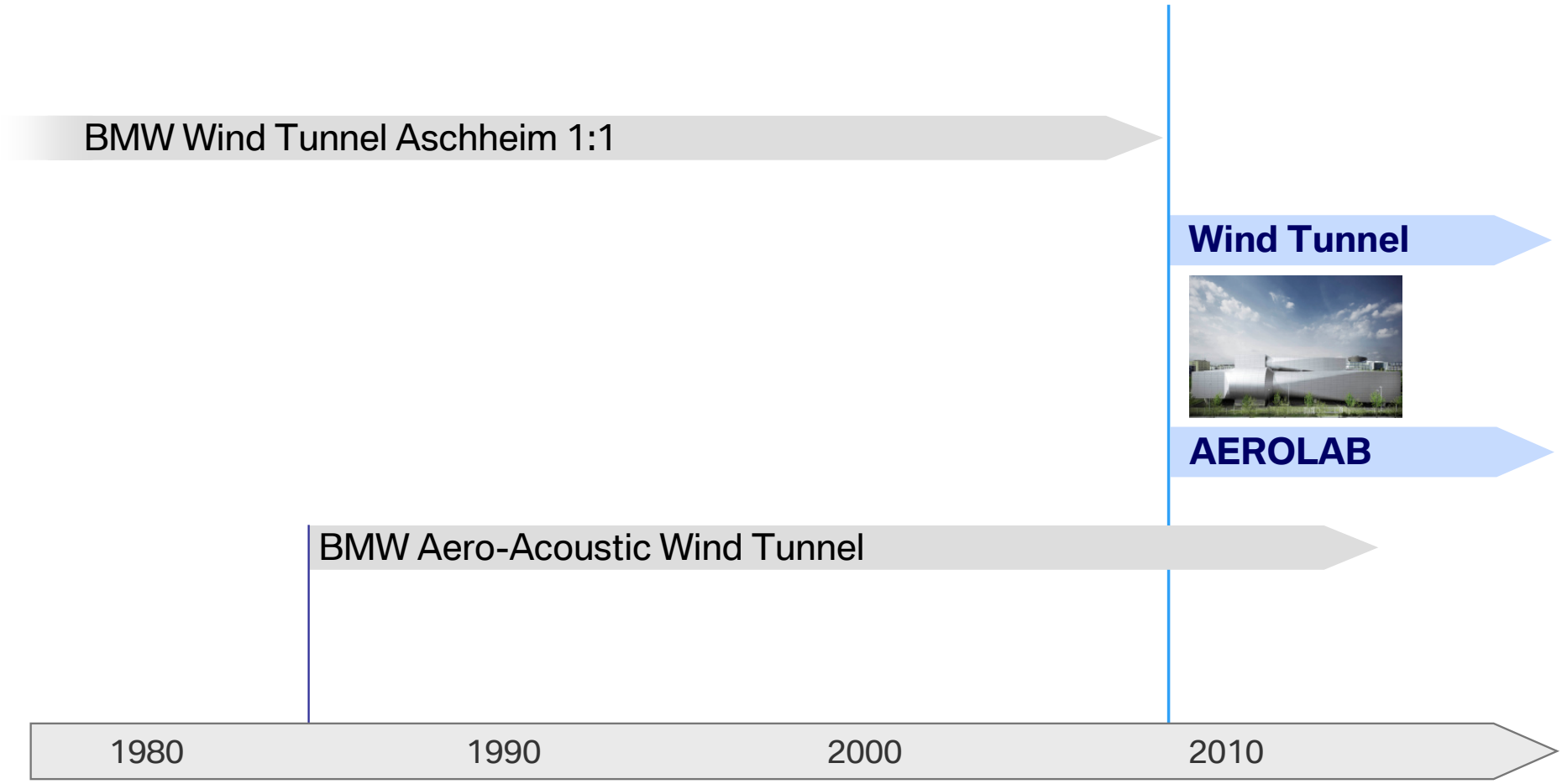
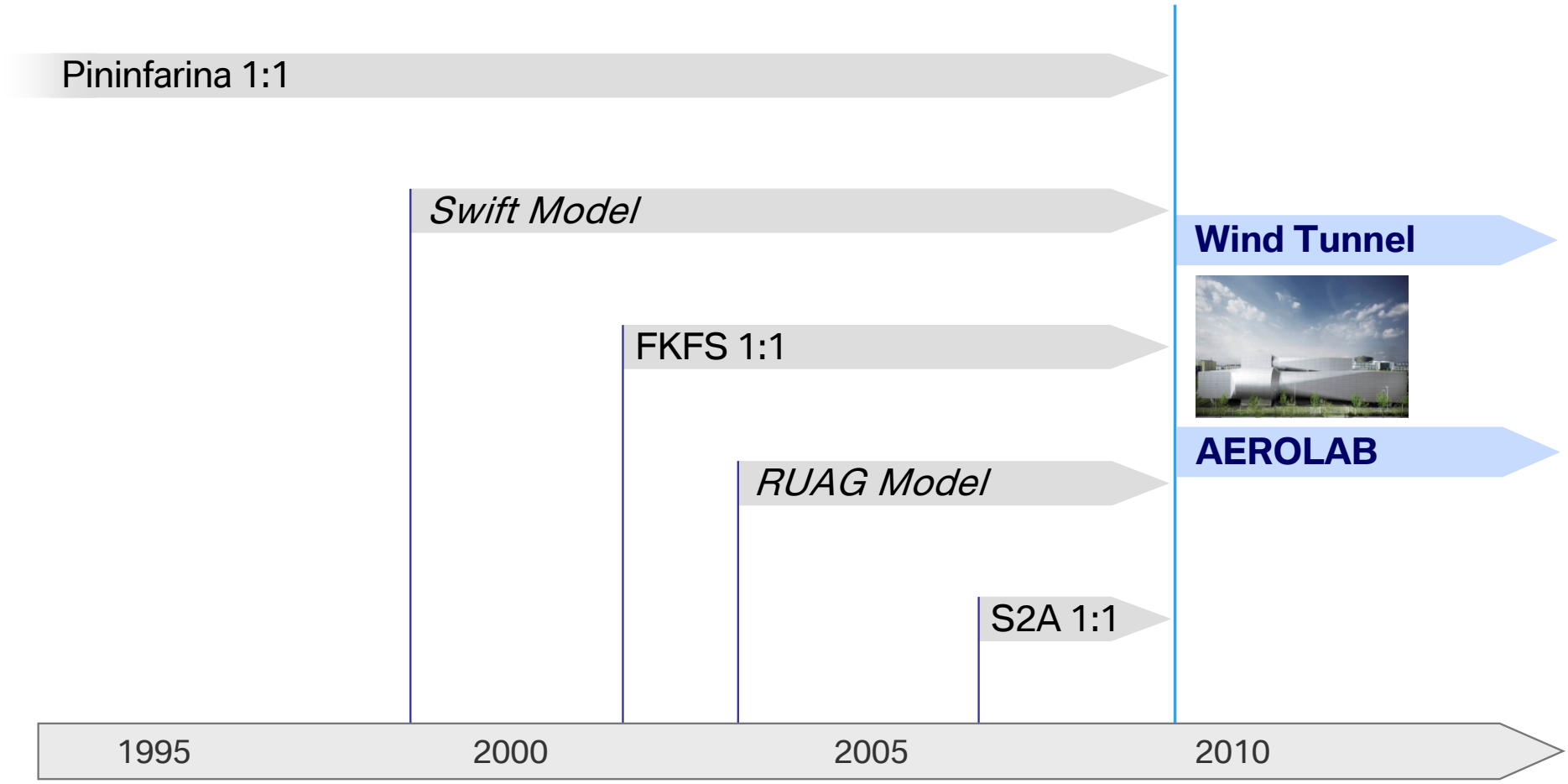


BMW Group AEROLAB.
BMW Group Wind Tunnels.



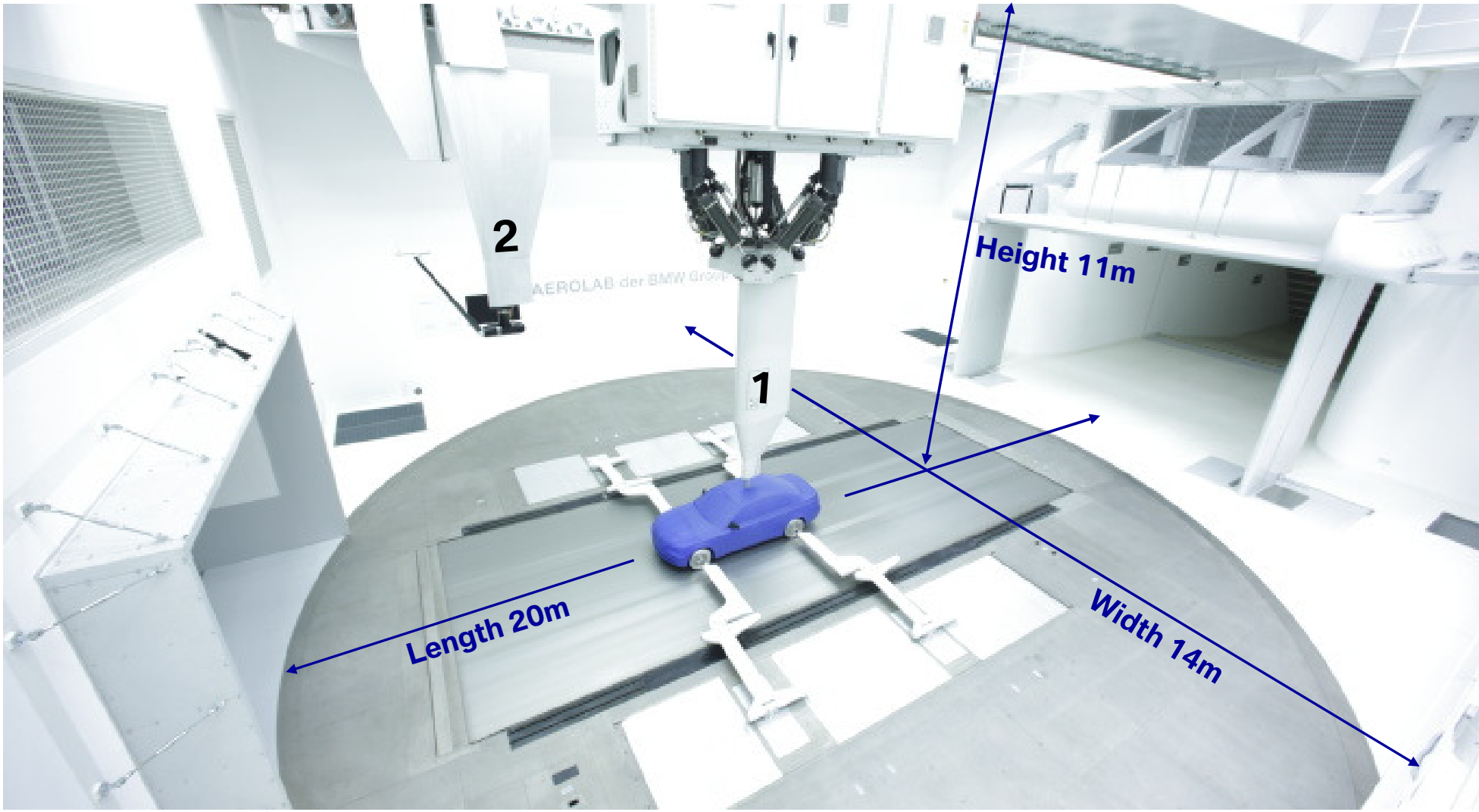
BMW Group AEROLAB.

Use of External Wind Tunnels with Moving Ground Facility.

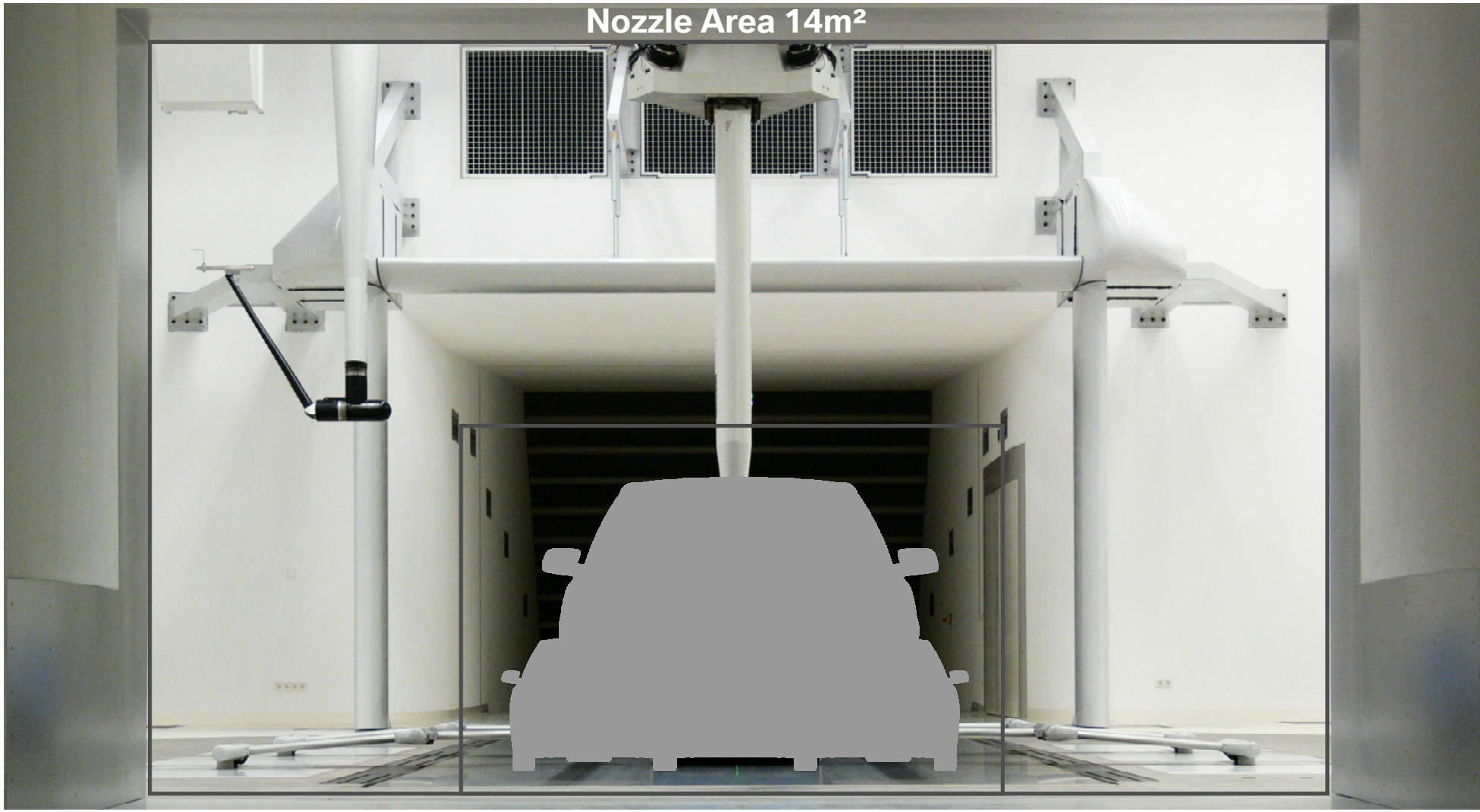


BMW Group AEROLAB.

Plenum.



BMW Group AEROLAB.
Nozzle Cross Section.

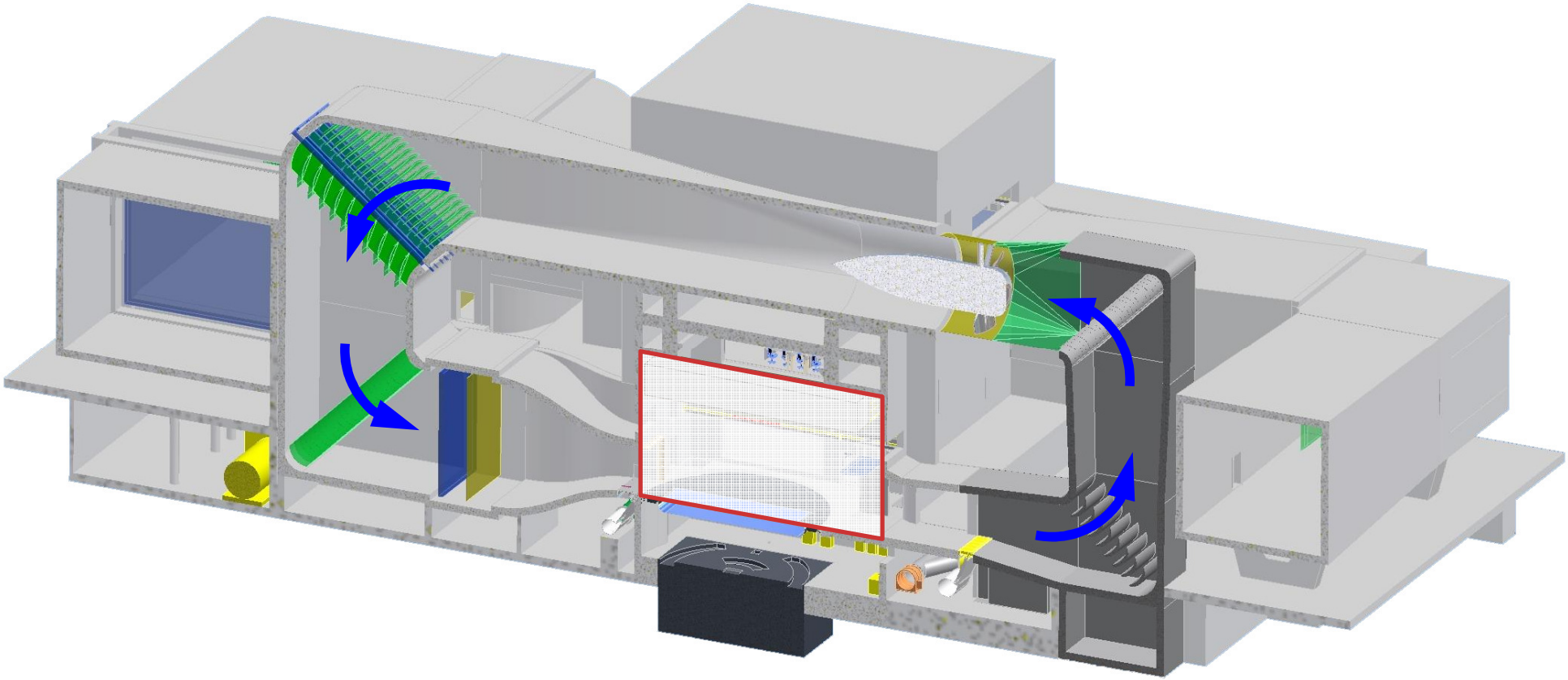


BMW Group AEROLAB.

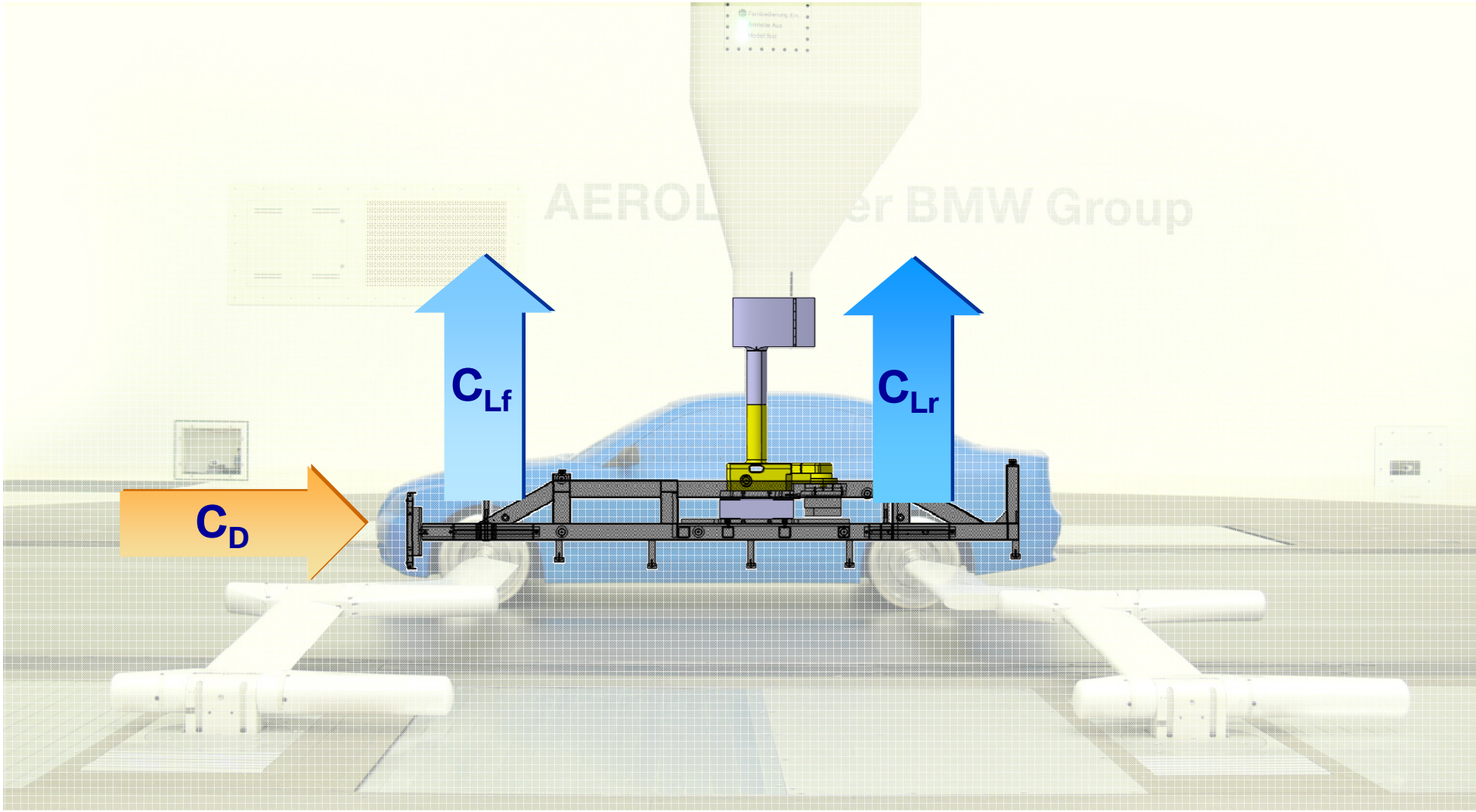
Rolling Road.

BMW Group AEROLAB.

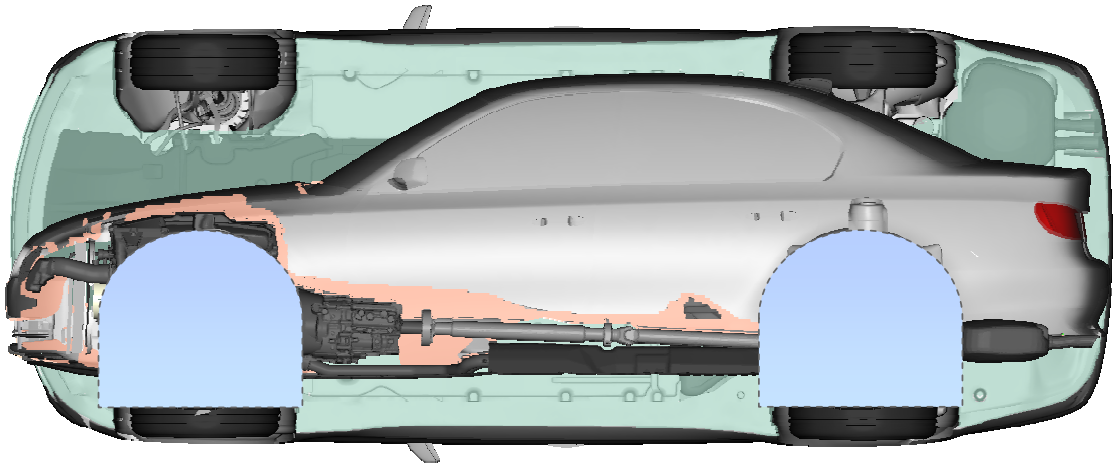
Overall View AEROLAB.



BMW Group AEROLAB.
Force Measurement.



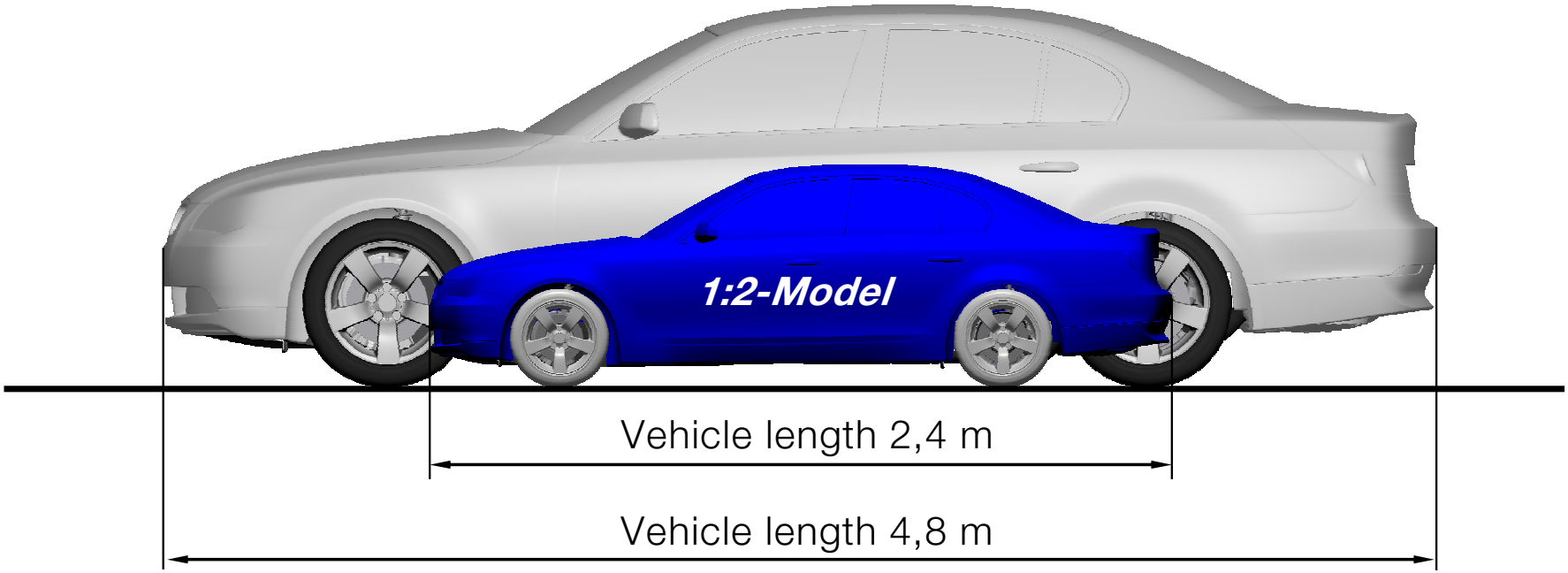
BMW Group AEROLAB.
Shares to Total Drag.



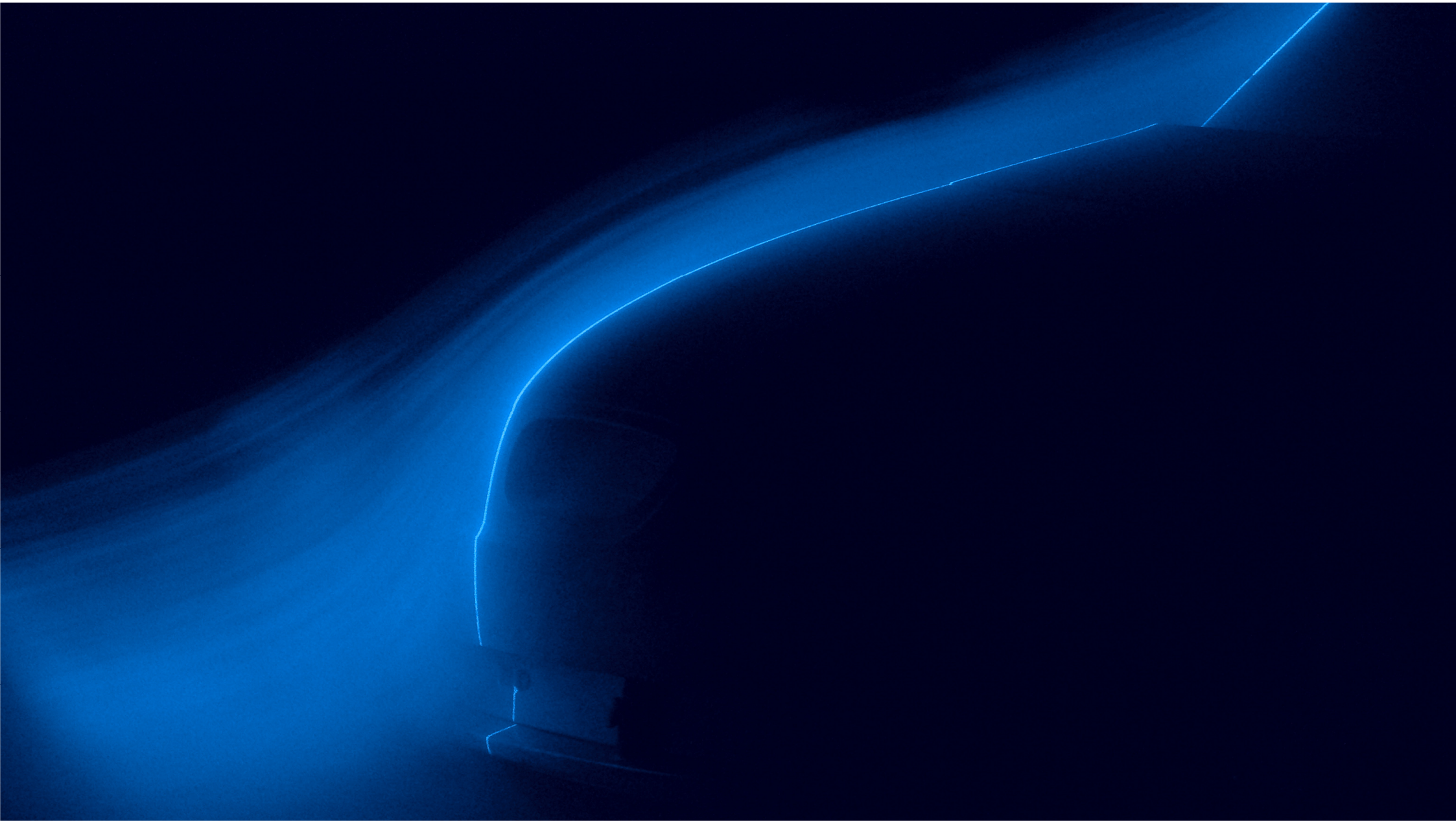
Shape & Proportions	40%
Wheel / Wheelhouse	30%
Underbody	20%
Air Intakes	10%
Total Drag	100%

BMW Group AEROLAB.

Flow Similarity.

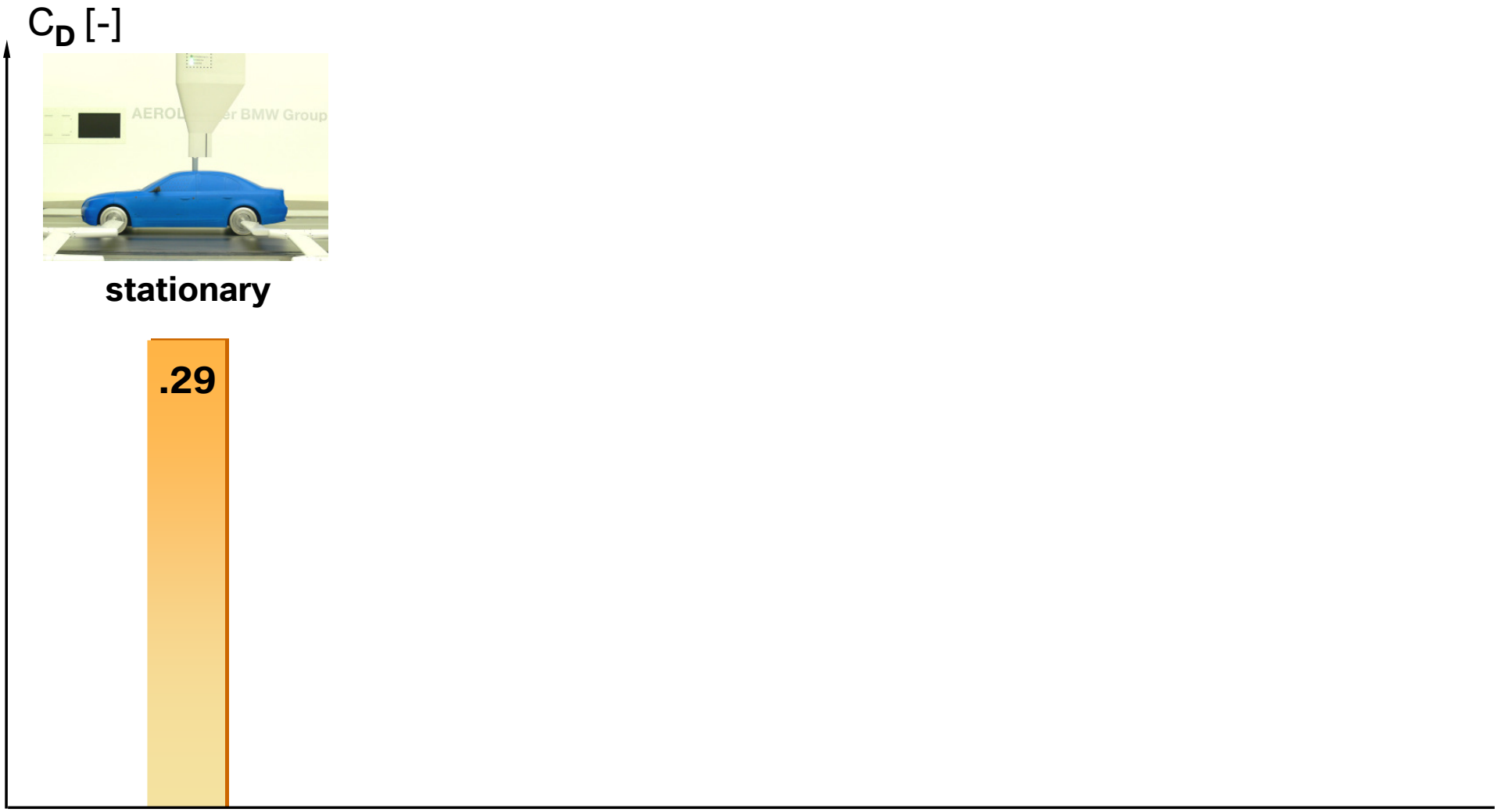


Test Speed:	***1:1-Vehicle***		***1:2-Model***
Example:	**100 km/h**	⇨	**200 km/h**



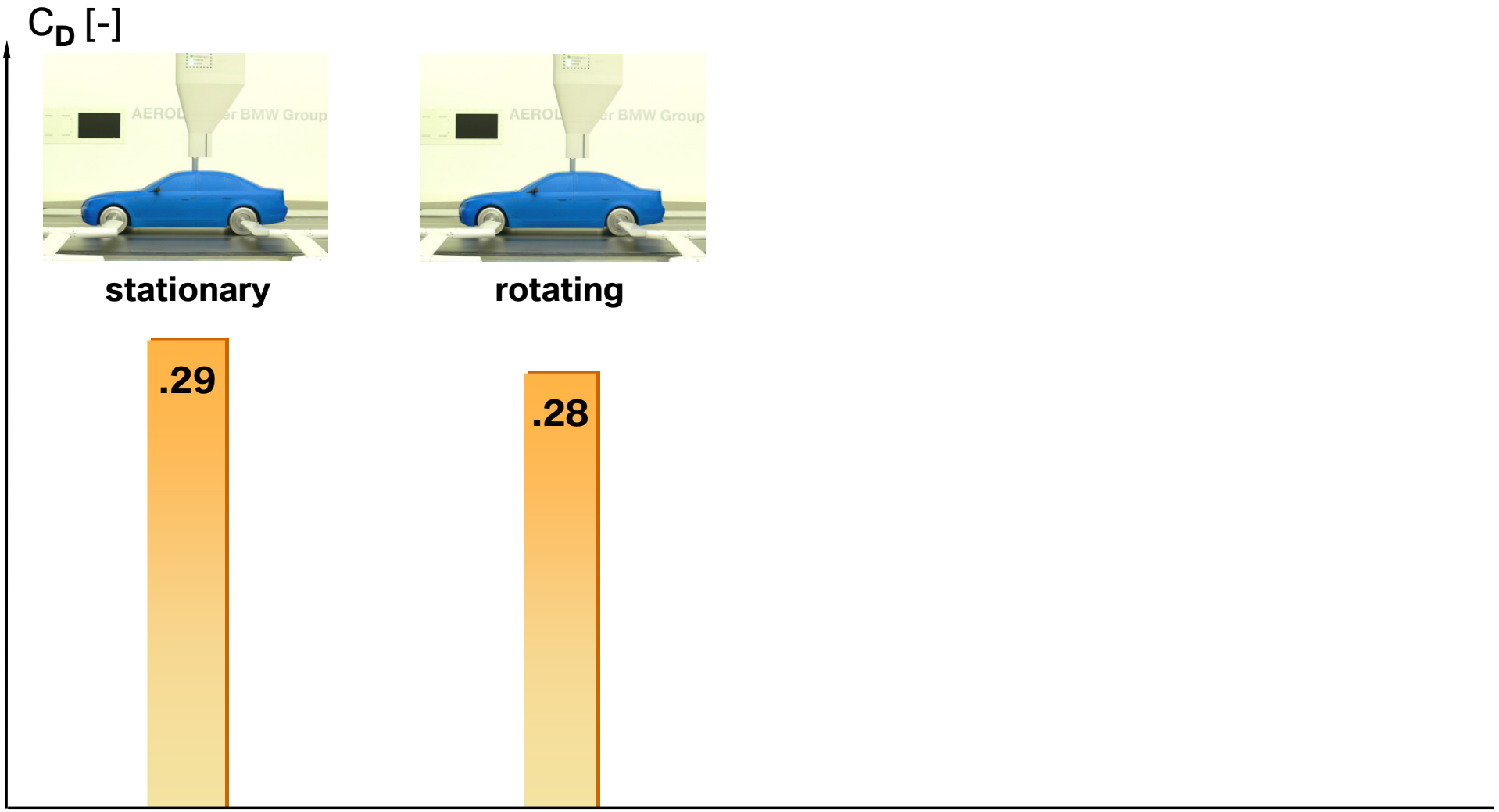
BMW Group AEROLAB.

Drag Measurement with Stationary Wheels.

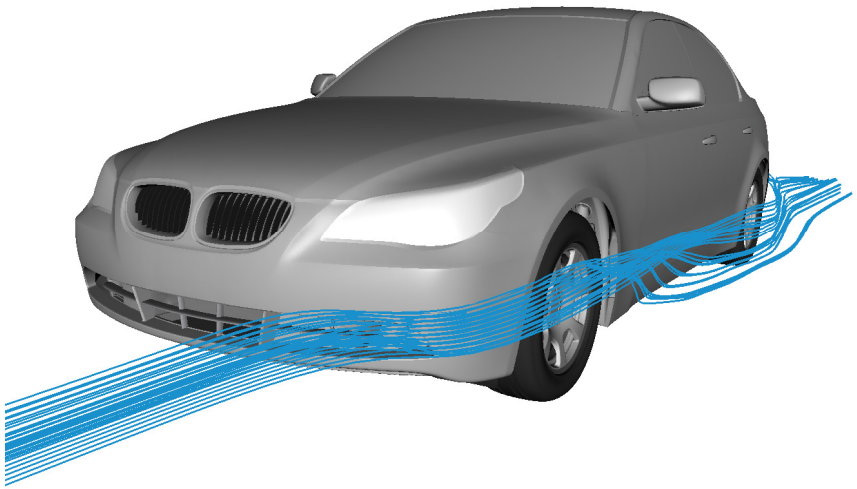


BMW Group AEROLAB.

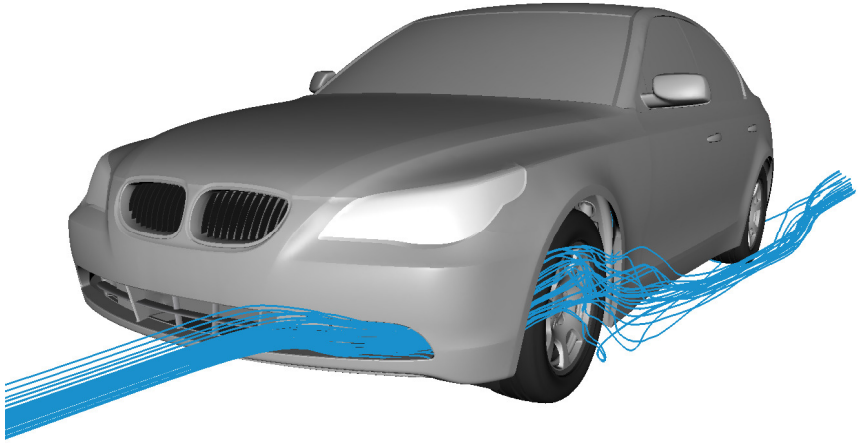
Drag Measurement with Rotating Wheels.



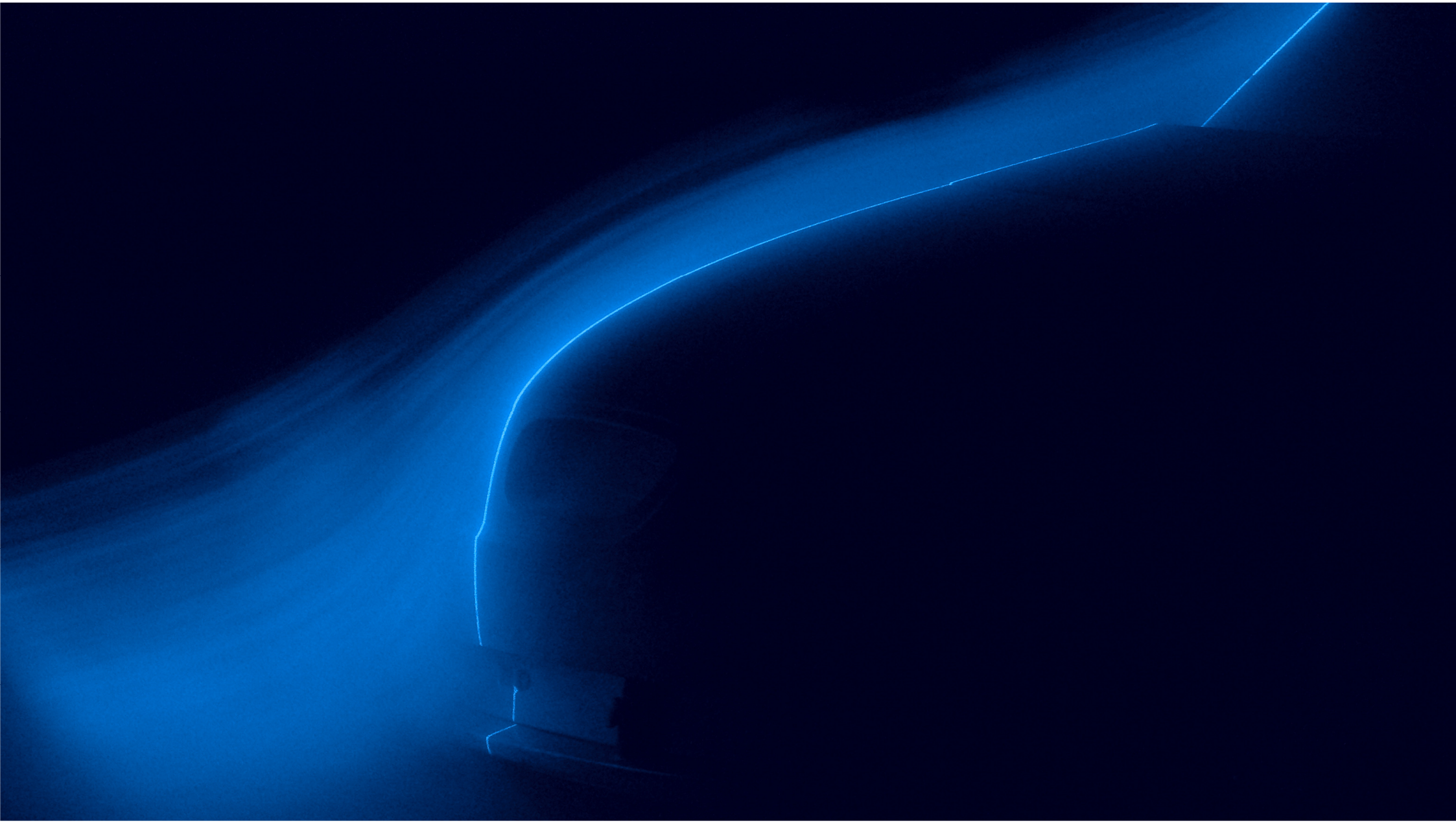
BMW Group AEROLAB.
Air Curtain.



Without Air Curtain

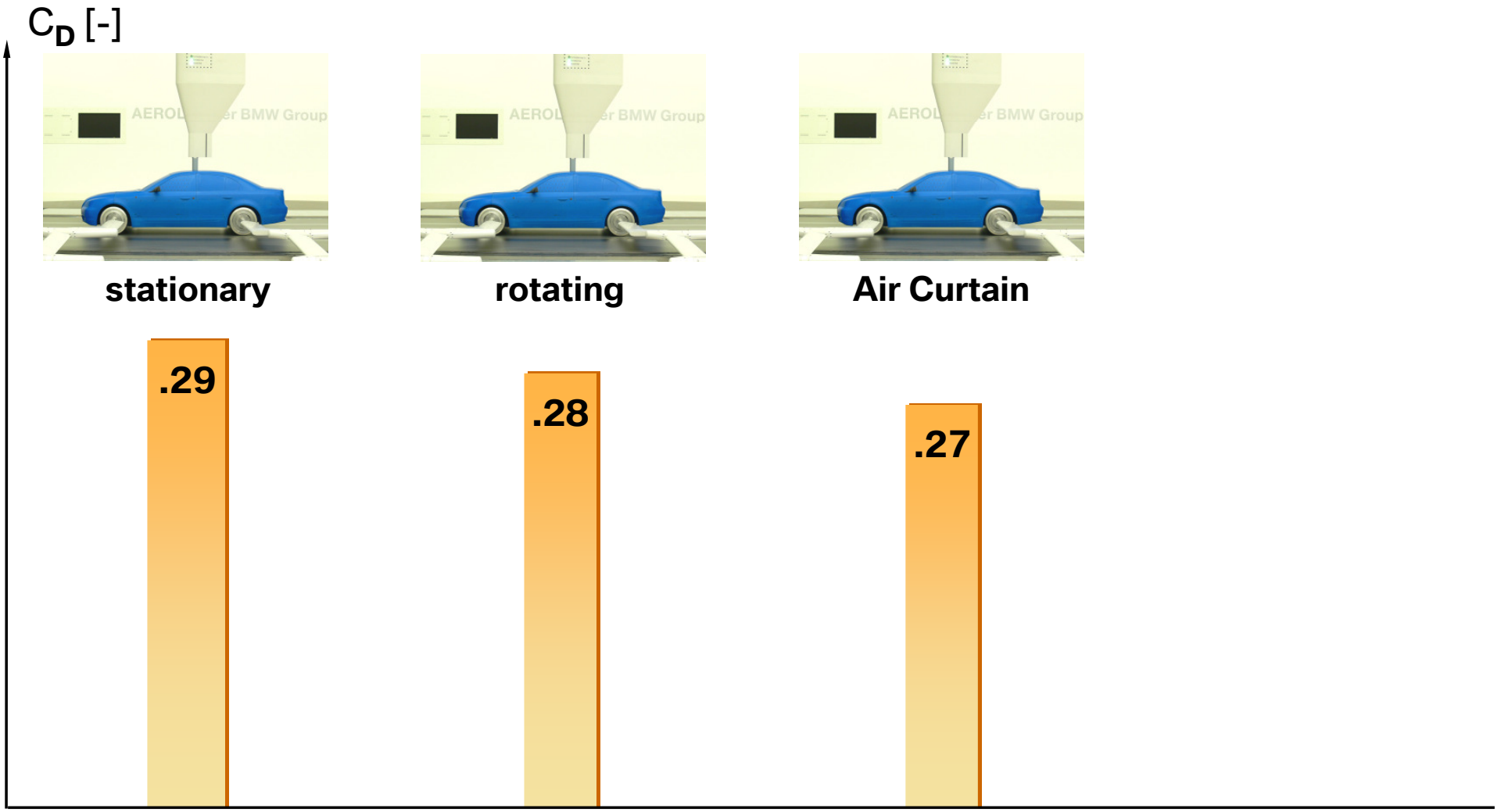


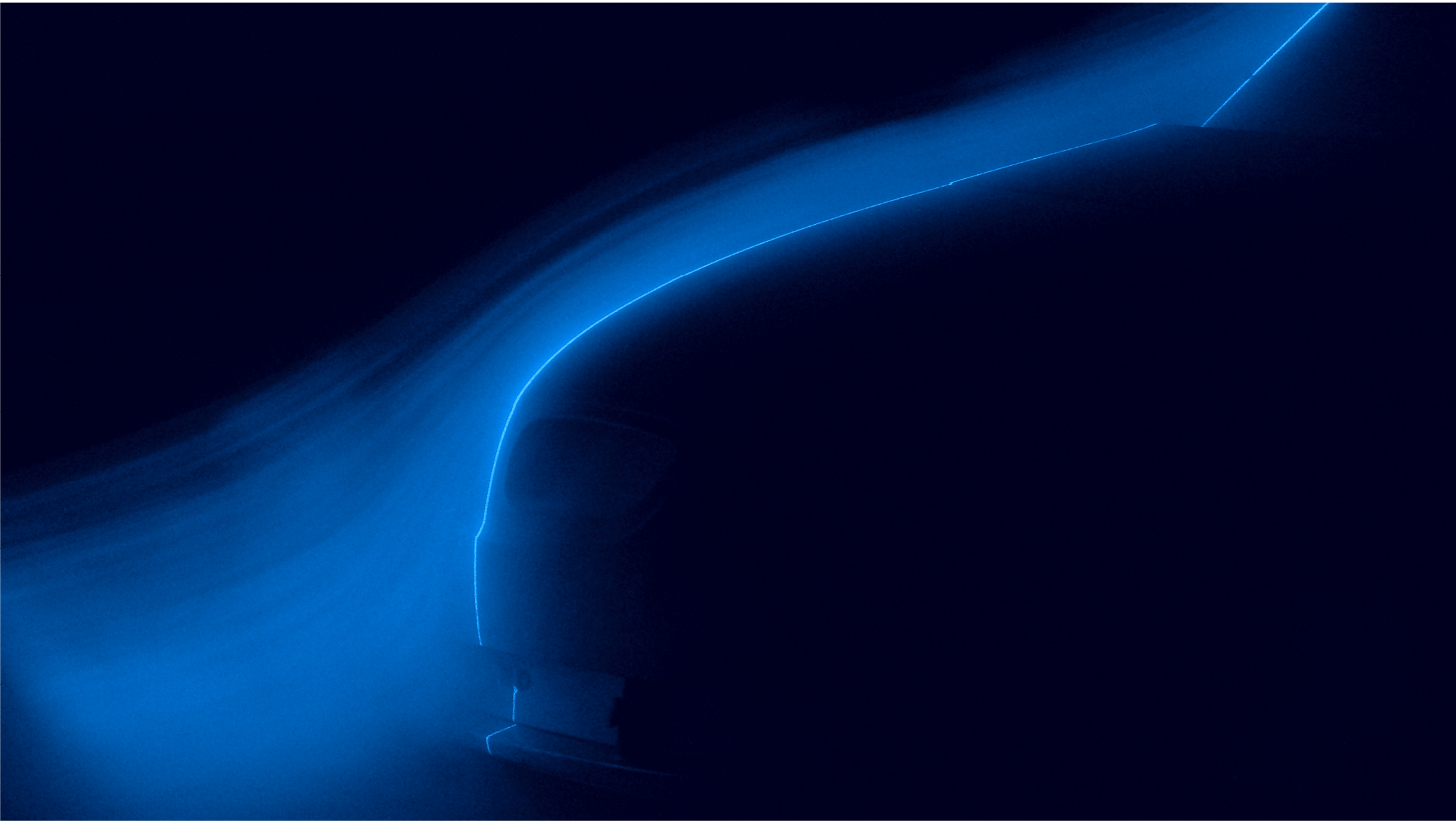
With Air Curtain



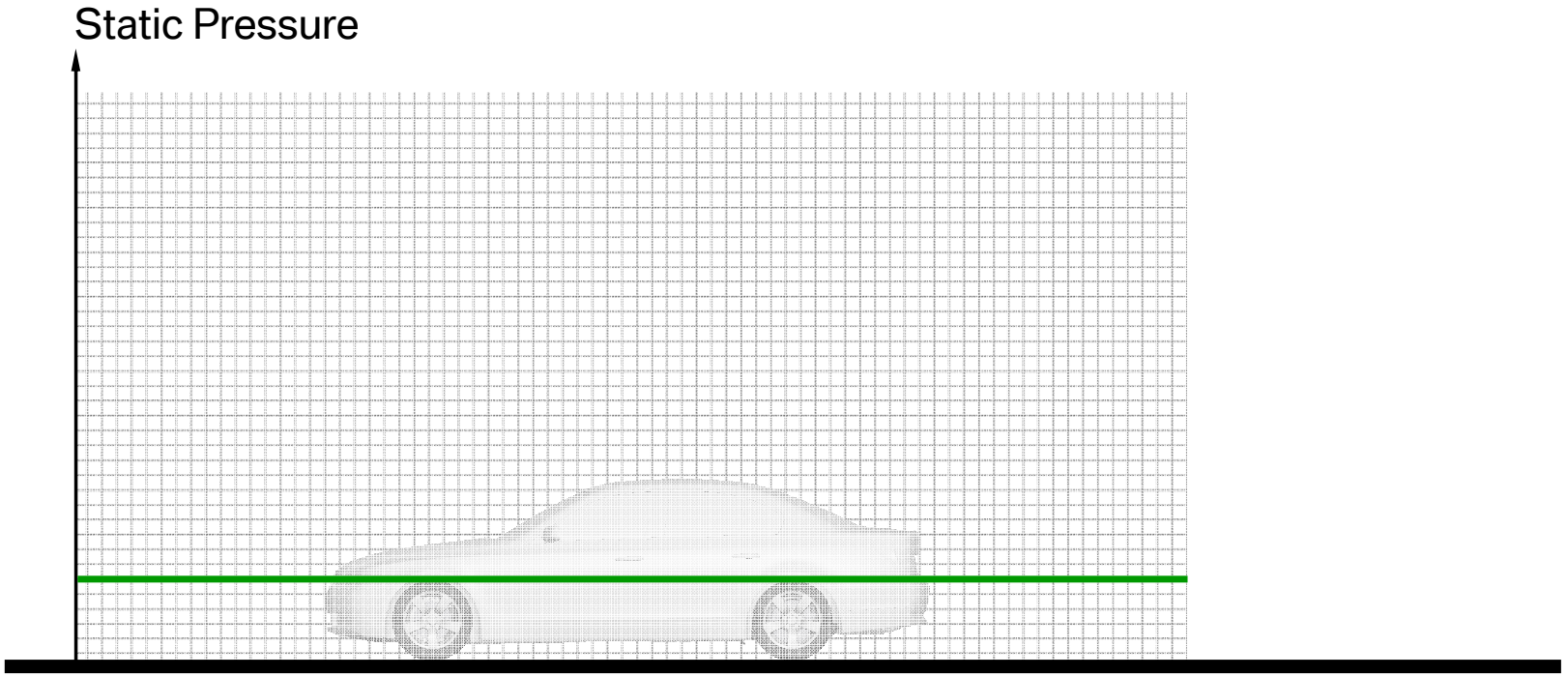
BMW Group AEROLAB.

Drag Measurement with Air Curtain.



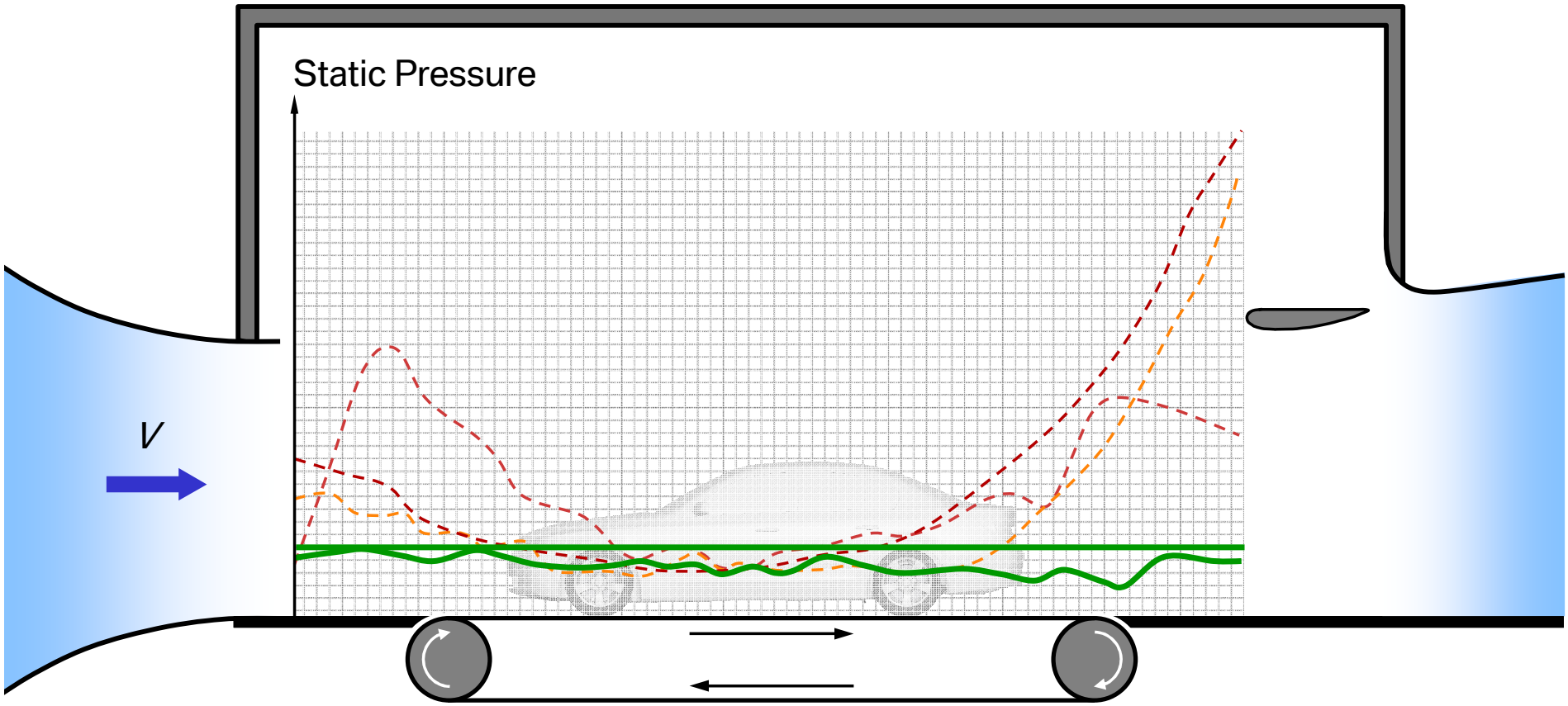


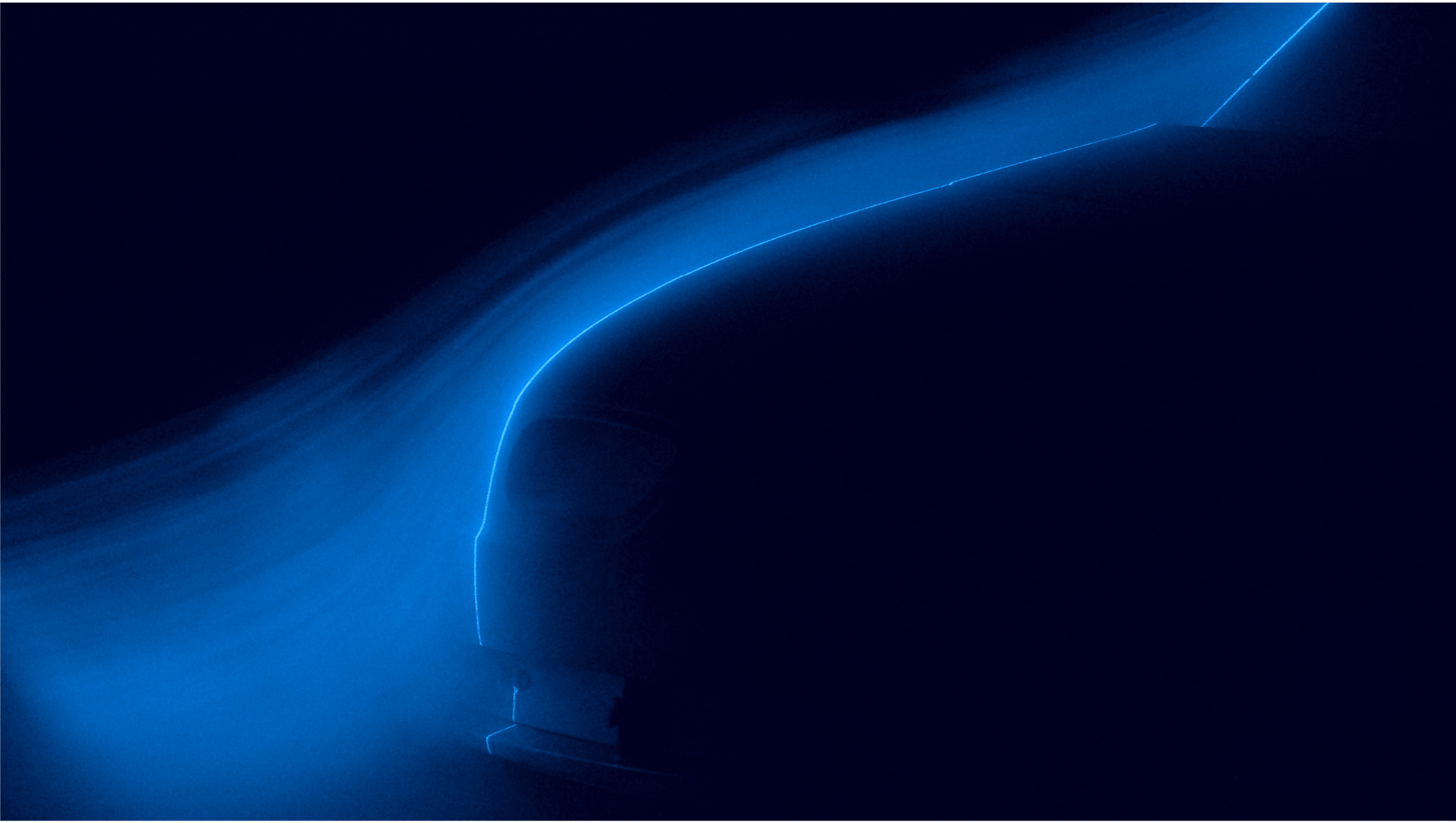
BMW Group AEROLAB.
On-road Static Pressure Gradient.



BMW Group AEROLAB.

AEROLAB Static Pressure Gradient.





BMW Group AEROLAB.

Drag Measurement „Gliding Fish“.