

Future Deployment Ideas Innovation Potentials of Proving Grounds for Testing of CCAM Use Cases

Key Findings:

- The OEMs' Testing of CCAM Use Cases (Cooperative Line Change, Emergency Trajectory Alignment, ..., Platooning)
- LTE/5G and beyond solution concept (V2N, V2I, V2V, ... V2X) to support demanding Proving Ground requirements
- CAPEX Cost Model for Deployment in
 - Czechia (26 - 28 T€ per km)
 - Bavaria (40 - 50 T€ per km)



Funded by the European Union

**BMW
GROUP**

VÝVOJOVÉ
CENTRUM
ČR

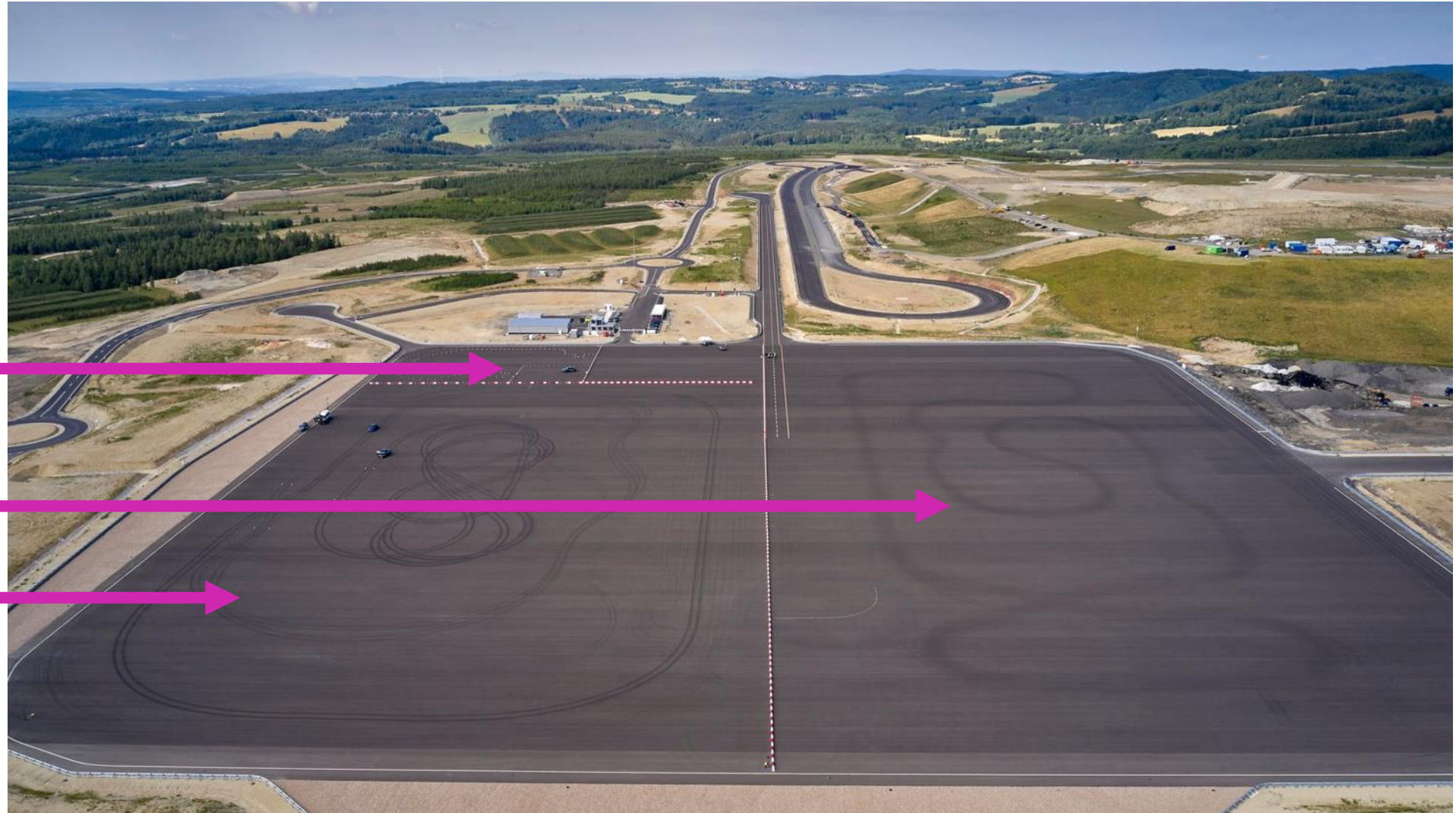


Innovations for Testing of Automated Mobility

Main potentials:

Test-Tracks (100 km)
+
Vehicle Testing Area
of 300 x 300 m size incl.
operational sidetracks

1. Teleoperated Vehicle
(Valet Parking etc.)
2. Virtual Driver
Experience
3. Autonomous Driving
4. ...
5. Cooperative Line
Change, ... , Collision
warning & avoidance



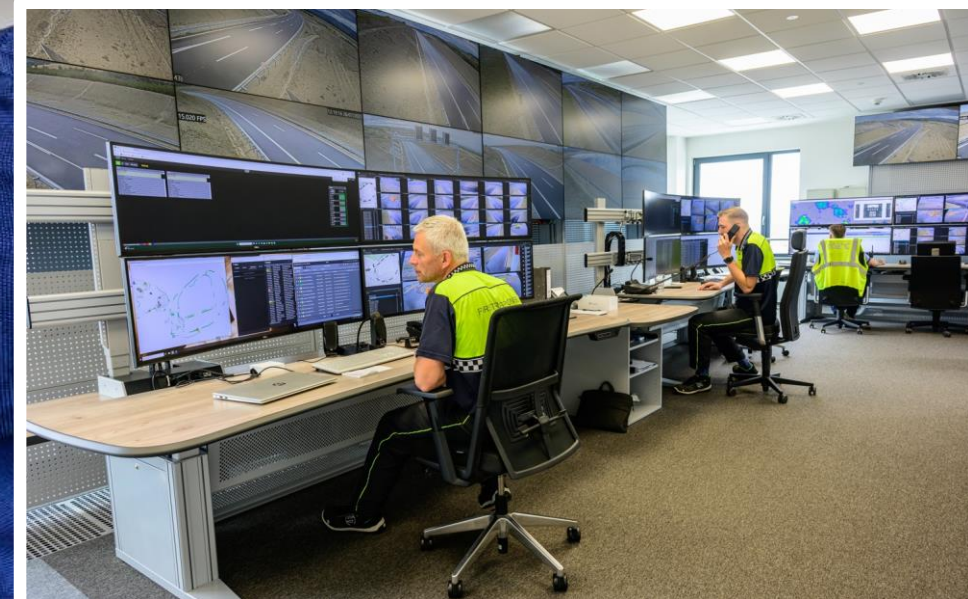
Funded by the European Union

**BMW
GROUP**

VÝVOJOVÉ
CENTRUM
ČR

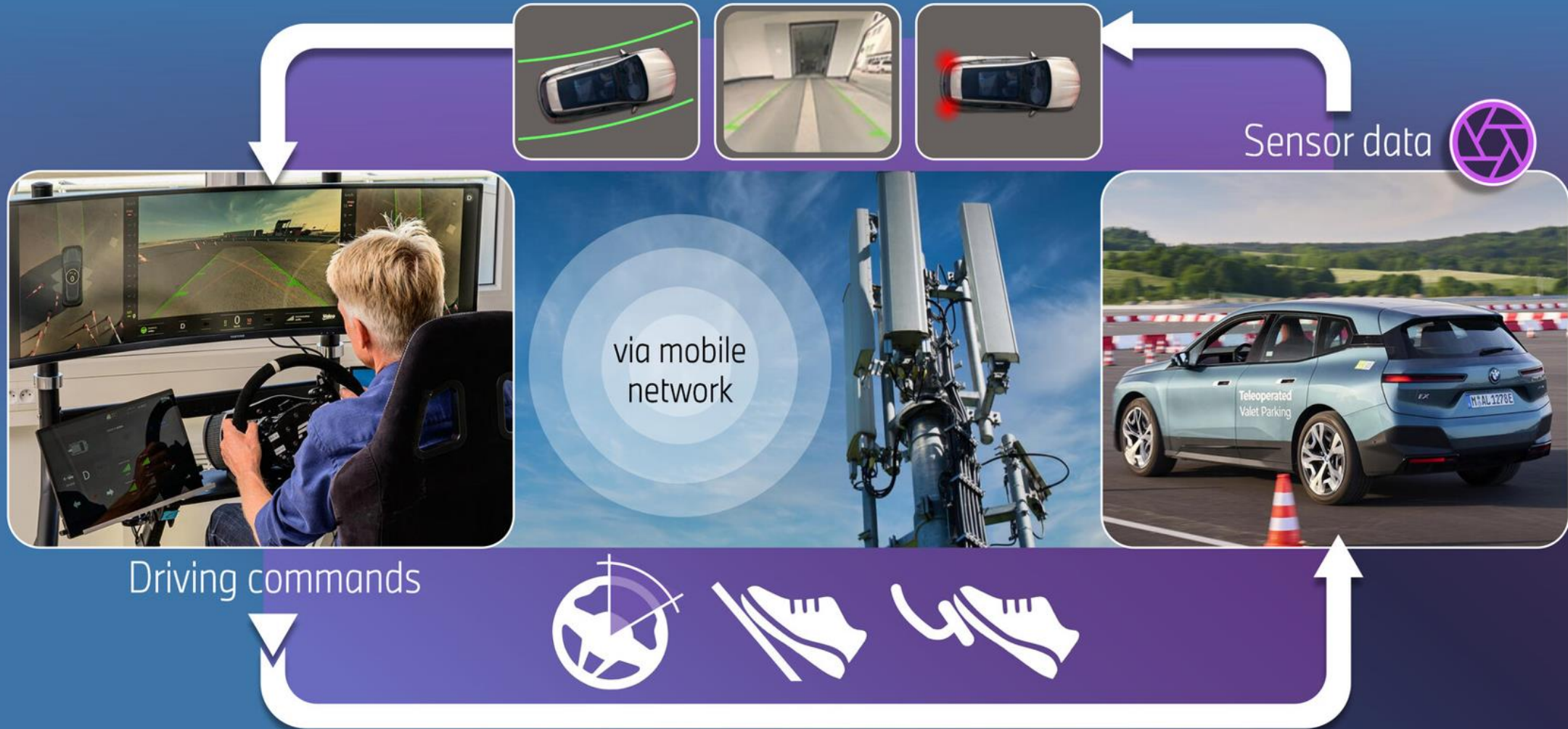


Innovations for Testing of Teleoperation

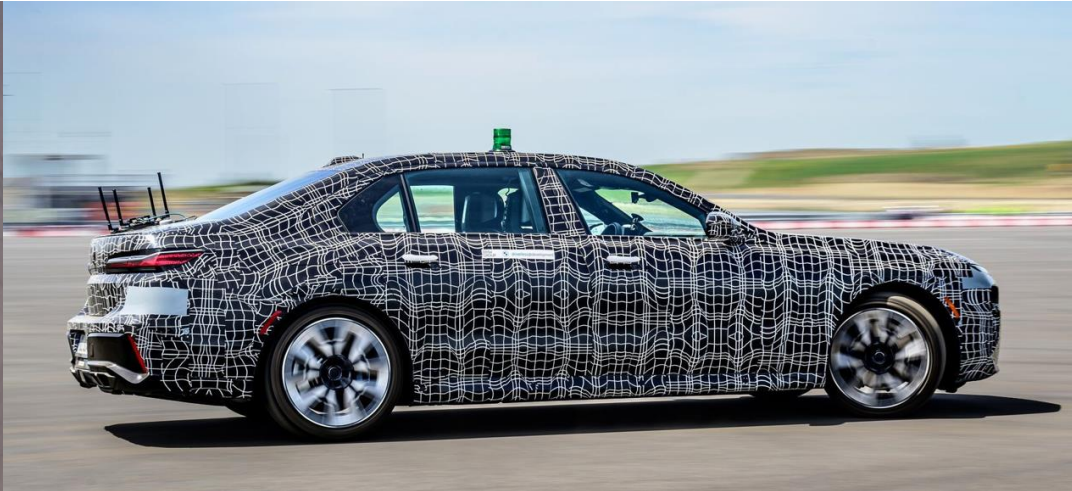
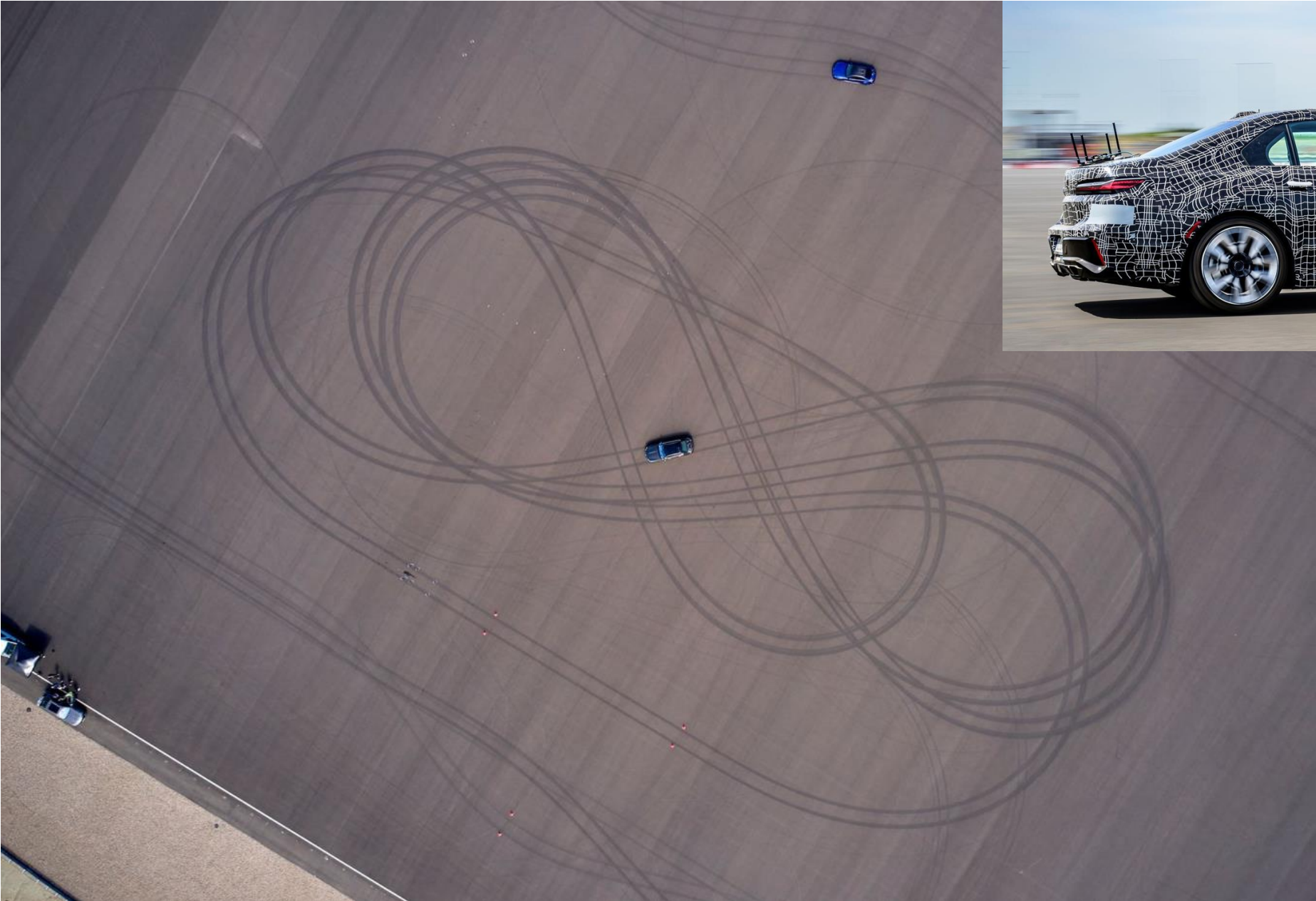


Innovations for Testing of Teleoperation

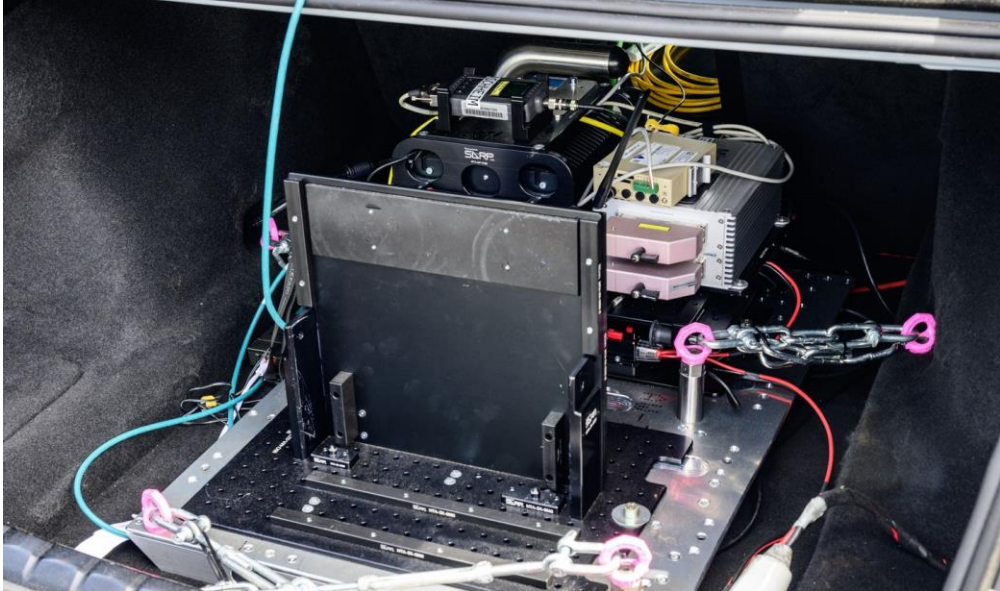
TELE-OPERATED PARKING IS AN ADDITIONAL SERVICE FOR AVP.



Innovations for Testing of Precise Autonomous Driving



Innovations for Testing of Precise Autonomous Driving



Innovations for Testing of Collision Warning & Avoidance

