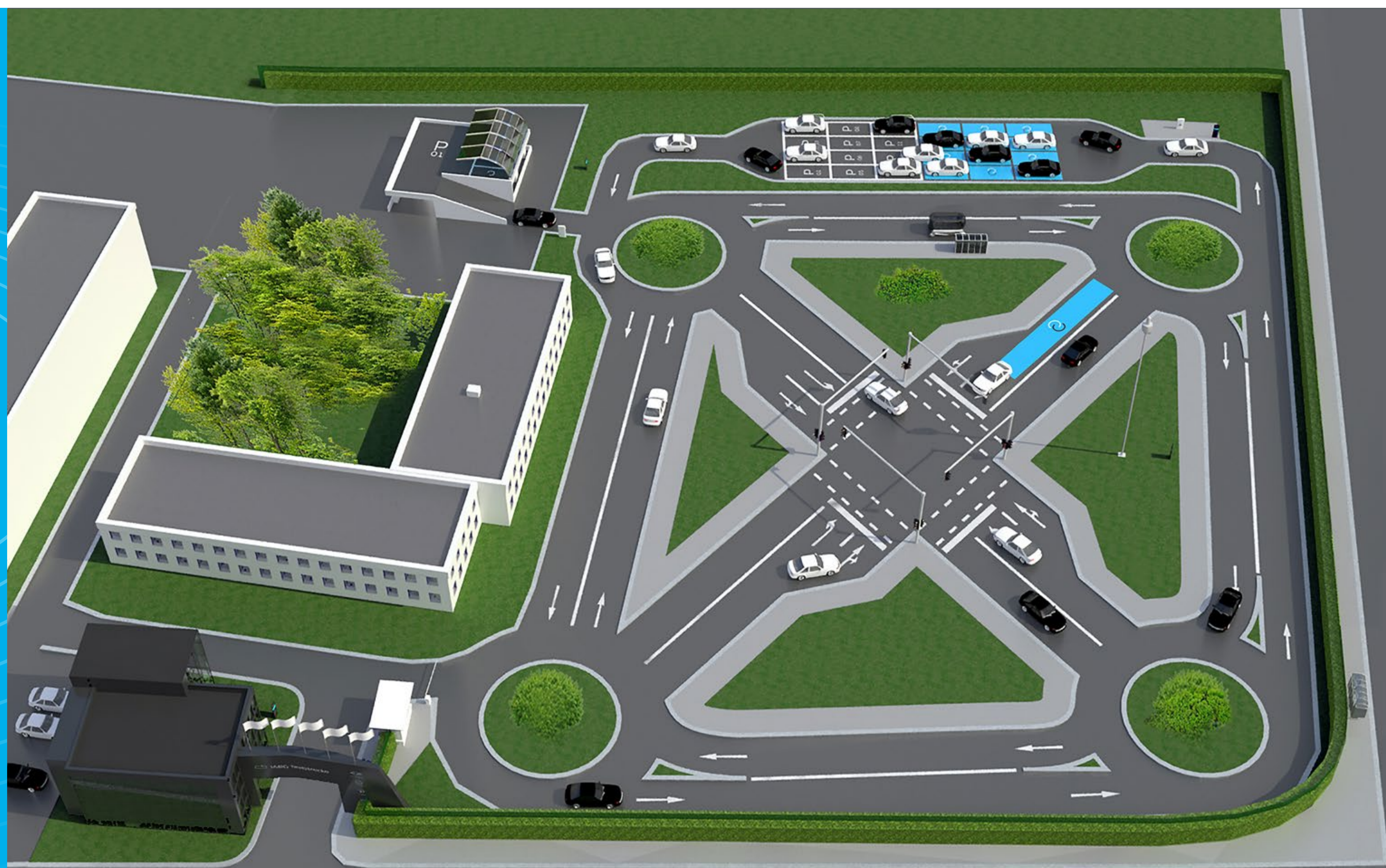


OPEN BAVARIAN TESTBED FOR INTELLIGENT MOBILITY CONCEPTS



Test intersection equipped with electricity generation (photovoltaics) and dynamic wireless charging

Focus on Connected and Automated Driving and Inductive Charging

The aim is the construction and permanent operation of an open and dynamic testbed for connected and automated driving, consisting of a test intersection, on which various tests for automated driving are carried out, especially in the interaction with VRU (Vulnerable Road Users) such as cyclists and pedestrians.

The test intersection serves to validate and certify connected and automated vehicles in a secure environment before the developed vehicle control algorithms go into operation in real road traffic conditions. Driving simulations (also with augmented reality) will be coupled with real-world tests in real time.

In addition, the test facilities include a "Park & Charge Lane" and a multi-storey car park in which electric cars will be dropped off, automatically

parked, wirelessly charged and made available ready to drive again. Using state-of-the-art sensor technology and 5G mobile communication technology, the partners want to examine the practicality of connected vehicles and derive recommendations for industry and politics.

Securing the interaction of self-driving vehicles is considered a crucial issue for the implementation and acceptance of automated transport systems.

Highlights of the test bed:

- Robot Shuttles
- Wireless Charging of Automated Vehicles
- Park & Charge Lane
- 5G Testbed
- Automated Valet Parking Deck with INTIS Wireless Charging Stations
- SimCenter

Planned opening: End of 2022



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Robot Shuttles



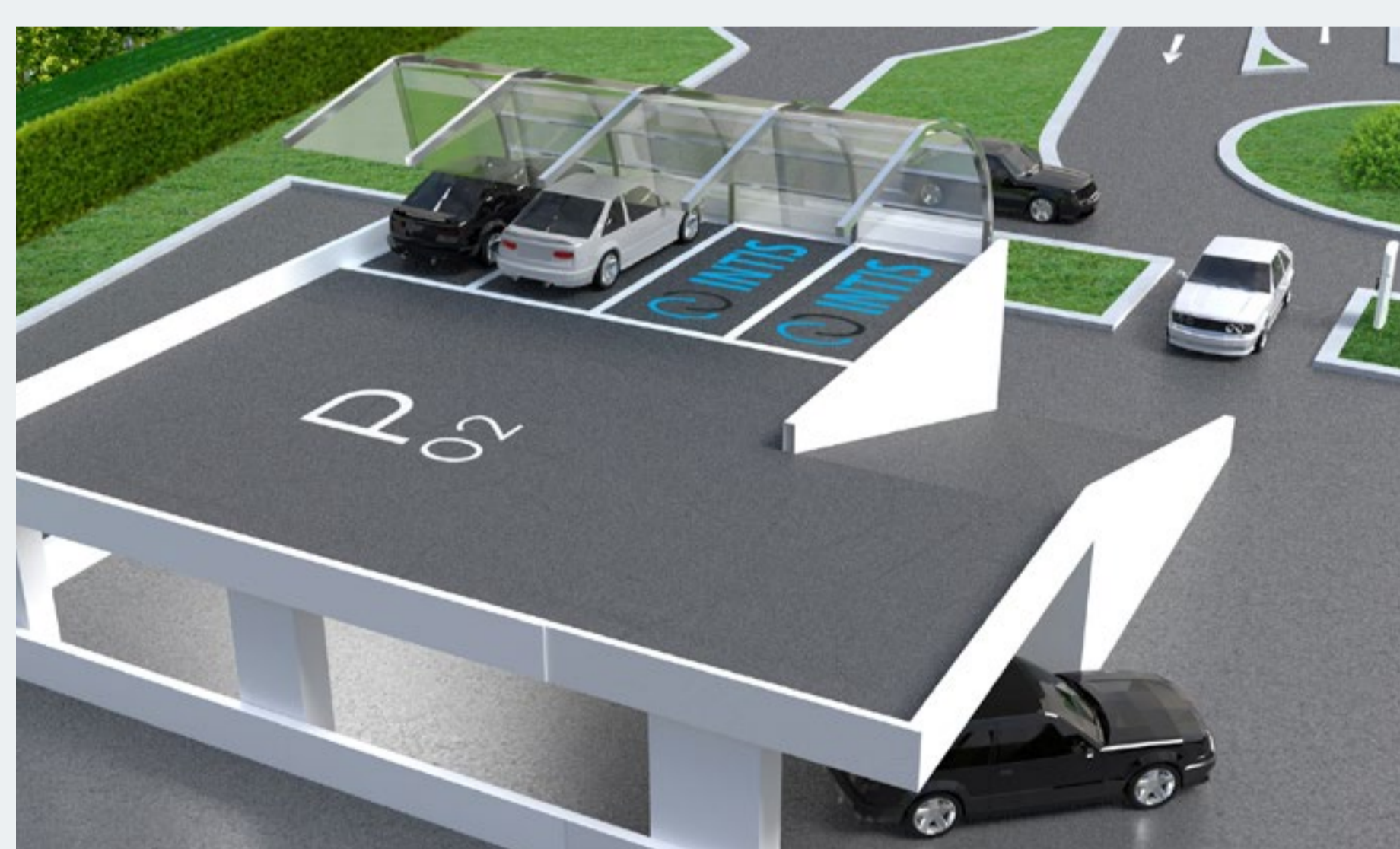
Wireless Charging of Automated Vehicles (IAA)



Park & Charge Lane



5G Testbed



Automated Valet Parking Deck with INTIS Wireless Charging Stations



SimCenter

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