

## APPLICATION SCENARIO

- Passenger request for a taxi through a mobile app
- Car autonomously approaches the passenger
- Passenger gets into the car and enters the destination in the screen provided
- Car drops the passenger at the desired destination

## SCOPE

- End-to-end expertise in L4 autonomous system development from system specification, system design, sensor configuration, AD stack development, simulation testing, vehicle integration, & vehicle validation
- In-house developed tools for sensor selection and point cloud data generation
- Safety architecture | Design and development of re-usable modules



## BENEFITS

- Reusable software modules and algorithms
- Reduced lead time
- Algorithms are vehicle-tested in restricted traffic conditions
- End-to-end system development, validation, and integration capability
- Synthetic data generator tool for training the algorithm
- Simulation framework for system and module testing