

Automated Driving Systems

Trailer Hitch Assist

Automatic aligning of towing vehicle to a trailer up to a point where the trailer coupler only needs to be lowered onto the hitch.



Smarter



Safer



Autonomy



New Mobility

Competitive Advantage/Differentiators

- A fusion based system (camera + ultrasonic)
- Autonomous driving towards a trailer (coupler)
- HMI to select a trailer when multiple trailers present in the rear view

Features

- Obstacle detection with automatic emergency braking
- Trailer recognition and pose estimation
- Hitch ball and trailer coupler physical position (XYZ) estimation
- Dynamic path planning

SOP

Innovation Strategy

Discovery

Concept

Development

Series Preparation

in Production