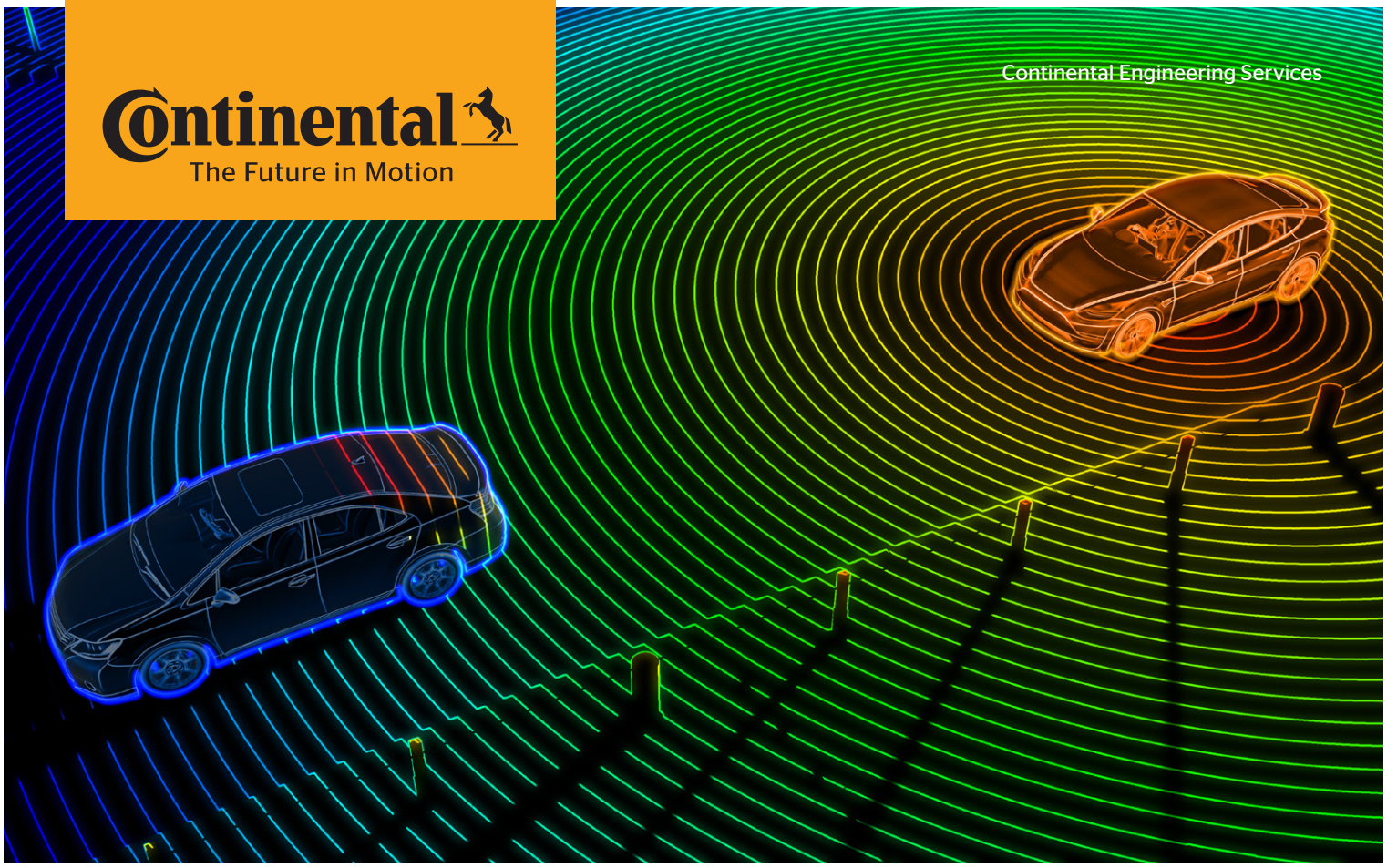
Continental
The Future in Motion

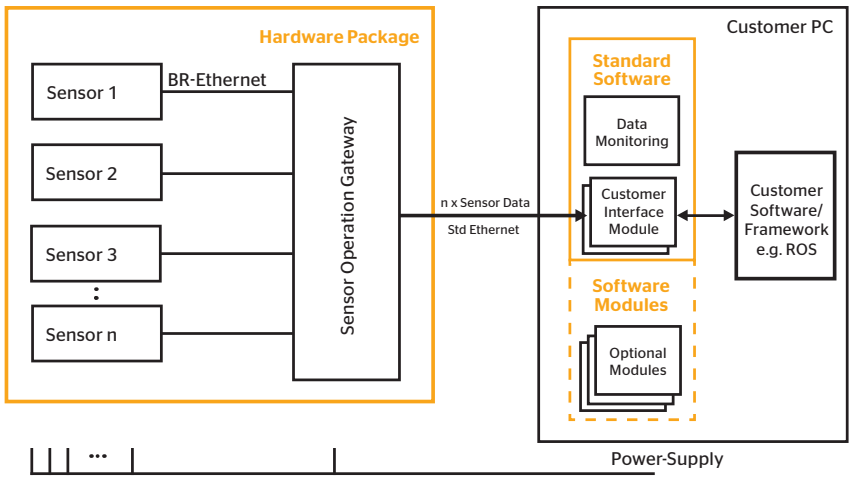


ARS430 Perception Development Kit (PDK)

Introduction

For automated driving functions, 360° sensor detection and central data fusion becomes inevitable. We offer a modular, off-the-shelf perception kit for evaluation and your development activities. A set of different hardware and software modules fit the kit for your individual application.

System Overview



PDK Hardware Base Packages

- Radar Package
- Camera Package
- Radar + Camera Package

PDK Software Content

- Data Monitoring Module
- Customer Interface Modules generic Module + ROS Node

Optional PDK Software Modules

- Object Tracking
- Occupancy Grid
- Free Space Extraction
- Visualization Framework

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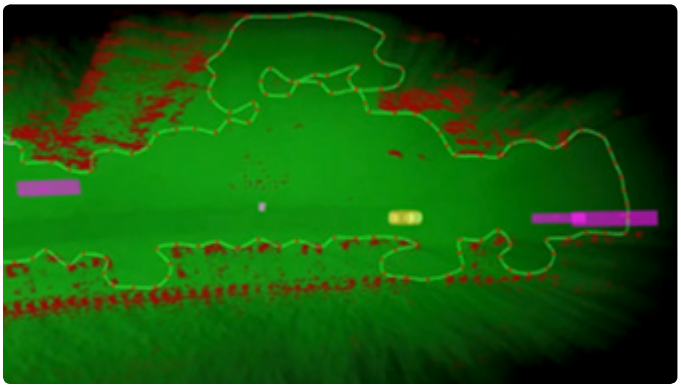
ARS430 Perception Development Kit (PDK)

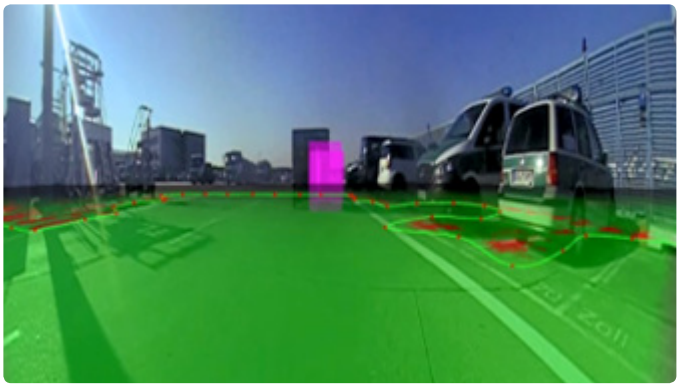
Benefits

- Access to radar detection level data and camera video stream via standard Ethernet connection
- Time stamped data for easy synchronization
- Fast implementation: no vehicle bus connection required
- Supports different host environments, including Drive PX2

Perception Development Kit

- Supports Continental radar and camera sensors
  - 4th generation 77Ghz radar technology ARS430
  - Fisheye camera
- Integrated generic customer interface and data monitoring module
- Optional Software Modules provide building blocks for environmental perception and AD development





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