



## Electronics

Magna provides leading Advanced Driver Assistance Systems (ADAS) technology for the most advanced features, which also serve as the building blocks for autonomous driving. With our competitive position and our culture of innovation, we are transforming mobility.

For our full range of products and capabilities visit: [magna.com](https://magna.com)

ADAS TECHNOLOGY & FEATURES

ADAS & AUTONOMOUS DRIVING  
- SCALABLE PRODUCTS

ELECTRIFICATION

### Customer Base

BMW, Daimler, Ford Motor Company, Geely, General Motors, Honda, Jaguar Land Rover, Mazda, PSA Peugeot Citroën, Renault-Nissan-Mitsubishi, Stellantis, Toyota, Volkswagen Group, Volvo and their respective operating divisions and subsidiaries.

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## Capabilities

### ADAS Technology & Features

- Semi-Autonomous Driving
- Automated Emergency Braking
- Cross Traffic View
- 2D & 3D Surround View
- Lane Detection / Lane Keep Assist / Lane Centering
- Traffic Sign Recognition
- Lighting Automation
- Rear Seat Monitoring
- Object & Pedestrian Detection
- Advanced Trailing Features
  - SEETHRU TRAILER™
  - 360 Trailer View
  - Trailer Hitch Assist
  - Automatic Trailer Assist
  - Trailer Angle Detection

### ADAS & Autonomous Driving - Scalable Products

- ADAS & Vision Domain Controllers
- Ultrasonic Sensors
- ICON RADAR™
- Autonomous Driving & Advanced Camera Systems
- LiDAR
- Advanced Driver Assistance Systems

### Electrification

- Powertrain Control Modules
- Transfer Case Control Modules
- Oil & Water Pump Modules
- Deployable Running Board
- Power Lift Gate
- Trailer Control Modules
- Intelligent Chassis Control Modules
- Battery Management Unit
- Inverters

## Innovations

### ICON RADAR™

Magna's ICON RADAR™ continuously scans its full environment, which helps a vehicle make instantaneous decisions in response to complex surroundings. It can detect vehicles as well as pedestrians at distances that well exceed any current requirements. Its state-of-the-art imaging capability pulls from 192 virtual receivers incorporated into a single radar-on-chip solution. These virtual receivers are applied to deliver both horizontal and vertical resolution, achieving new benchmark levels for each. In addition, the technology is naturally immune to interference, which will become critical as the number of radar-enhanced vehicles on the road increases.

