Electronics

Magna Electronics provides leading technologies from autonomous driving, to secure connectivity to vehicle electrification. With our competitive position and our culture of innovation, we are transforming mobility.

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

For our full range of products and capabilities visit: magna.com

AUTOMATED DRIVING SYSTEMS
SECURE CONNECTIVITY
ELECTRIFICATION
Capabilities

Automated Driving Systems
• Automated Parking - Camera & Ultrasonic
• Semi-Autonomous Driving
• Automated Emergency Braking
• REVERSAID™
• Ultrasonic Park Aid
• CROSSTRAFFICVUE™
• SURROUNDVUE™
• Trailer Angle Detection
• Object & Lane Detection
• Traffic Sign Recognition
• Lighting Automation

Secure Connectivity
• Cyber Threat Detection & Prevention
• Over-the-Air Update
• eCall

Electrification
• Body/Mirror
• Chassis
• Glow Plug
• Lighting
• Pumps
• Powertrain

Innovations

Automated Driving Systems
EYERIS® automated driving systems provide the driver with active guidance during parking and driving scenarios. Innovative technologies we offer include 360° SurroundVue™ enabling your car to see from a “bird’s eye view” and image processing for lane, road signs, vehicle, pedestrian and object detection. EYERIS® automated driving systems allow a more comfortable and safe driving experience, and paves the way for autonomous vehicles.

Secure Connectivity
The more we innovate, the more connected vehicles become. This allows for extraordinary convenience, functionality, automation, and driver assistance. But it also opens the door to hackers. Magna’s Secure Connectivity solution detects and defends against cyber-attacks, and it stays updated to combat new threats through Over-the-Air (OTA) updates from secure cloud servers.

Secure cellular communications allows for Over-the-Air (OTA) software updates. It also enables automated driving features, V2X communication emergency calls, and the safe cloud storage of vehicle data and diagnostic information.

Meanwhile, ON-board security solutions monitor and block cyber threats in real time. Anomaly detection safeguards the functionality of critical operations and modules, and updates are globally deployed as new threats arise. It’s intelligent safety for all who share the road.