

Magna @ Renault 2023

The background of the slide is a black rectangle filled with a complex, white wireframe pattern. The pattern consists of numerous thin, intersecting lines that create a sense of depth and perspective, resembling a 3D architectural model or a network of connections. The word 'Mirrors' is centered in the middle of this pattern in a large, white, sans-serif font.

Mirrors

ClearView™ Inside Mirror

The ClearView™ inside mirror switches between a traditional reflective surface and a full-size display showing an unobstructed view from the rear-mounted camera. All while improving styling and adding new safety features.



Smarter



Safer



Electrification



Autonomy



New Mobility



Design



Co-Development
Opportunity



Patented

Competitive advantage/differentiators

- Larger field of view which is customizable to user preference
- Increased safety
 - Able to overcome obstructions caused by passengers, headrests, C/D pillars, cargo, trailer, convertible top, etc.
- Display settings customized using capacitive touch buttons on glass surface
- Electric actuator automatically tilts glass for video mode, reducing glare
- Improved styling with Automotive News PACE award winning Infinity™ inside mirror

SOP

Ideation

Discovery

Concept

Development

Series Preparation

in Production

Driver/Occupant Monitoring System

Proven camera based solution that actively monitors and reduces distracted driving through customizable alerts and notifications.



Smarter



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Co-Development
Opportunity



Patented

Competitive advantage/differentiators

- Real time monitoring of driver head, eye and body movement to detect distracted behavior, drowsiness and fatigue
- Improved driver safety performance and reduced collisions
- Seamless packaging into inside mirror and overhead console
- Driver authentication and memory / customization
- Occupant monitoring including child presence detection, seat belt detection and video conferencing
- Private cloud video uploading available for liability protection and coaching drivers (employees / family members)
- Event data available for synthesis of safest route awareness

SOP

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Exfinity Mirror™

The Exfinity™ outside mirror eliminates the frame of the mirror (bezel, housing) by adding a highly polished glass edge allowing for increased styling options and better forward visibility. This was inspired by Magna's PACE Award winning Infinity™ inside mirror



Smarter



Safer



Lighter



Design



First to Market



Exclusive@Magna



Patented

Competitive advantage/differentiators

- Revolutionary styling for outside mirrors
 - Gives a jewel-like appearance
- Improved glass edge strength, up to 65%
- Improved aerodynamics
- Optimized water management
- Improved forward visibility
 - Reduced mirror size resulting in 30% less visual obstruction (forward obstruction)
- Lower mass

SOP

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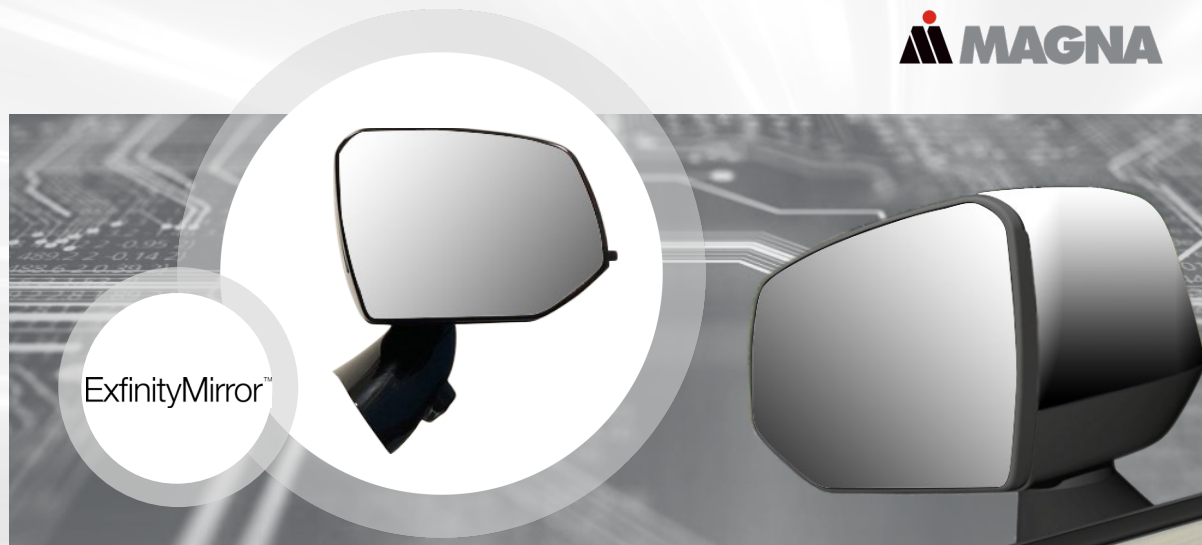
Serial Preparation

in Production

Exfinity Mirror™

The Exfinity™ outside mirror **EVO** reduces the frame of the mirror for increased styling options and better forward visibility.

This was inspired by Magna's PACE Award winning Infinity™ inside mirror and the design complies with European regulations.



Smarter



Safer



Lighter



Design



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Exclusive@Magna



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Handles



SmartAccess™ Power Flush Door Handle

Scalable power flush handle solutions offering consumers unique vehicle access experiences with unique styling options and advanced features.



Smarter



Safer



Electrification



New Mobility



Patented



Design



Co-Development
Opportunity



Driving Dynamics

Competitive advantage/differentiators

- Improved vehicle styling with three deployment designs: parallel, rotational, vertical
- Standardized actuator with optimized packaging
- Aerodynamic improvement with enhanced vehicle styling
- Back drivable actuator with high torque output
- Advanced features include NFC, BLE, SureTouch™ capacitive sensor and lighting solutions
- Complete system solution available with SmartLatch™ or standard latching systems

SOP

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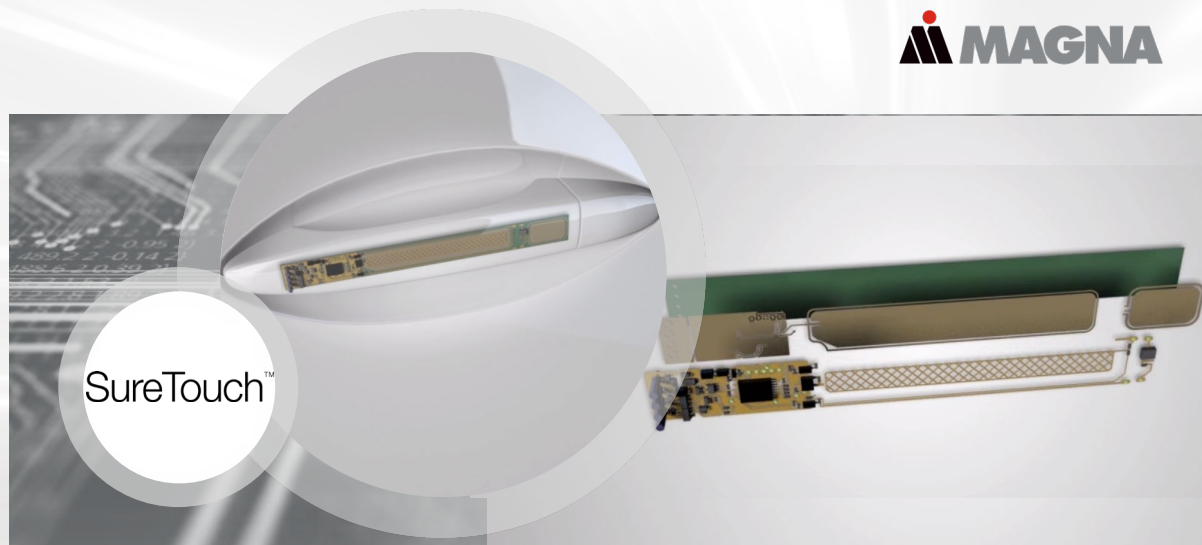
Development

Series Production

In Production

SURETOUCH Capacitive Handle

Advanced capacitive sensing technology increasing door handle performance. Enables an increased consumer experience while entering their vehicle.



Smarter



Safer



Electrification



Design

Competitive advantage/differentiators

- Advanced algorithms within an expanded recognition zone process touch signatures exactly when they occur
- Immune to water and temperature, fully functional with no loss of sensitivity
- Consistent detection even with single finger or glove
- Tested to automotive requirements with no sensitivity degradation or false triggers.
- Scalable to integrate other features; Near Field Communication, Bluetooth Low Energy, antennas, and various lighting options

SOP

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in Production



Forward. For all.