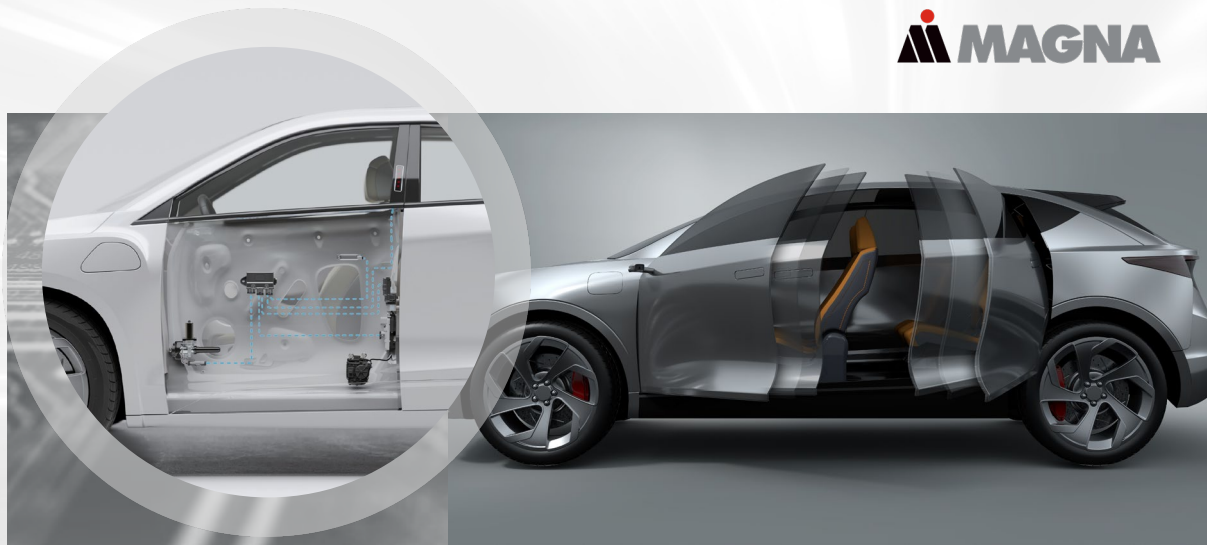


Magna @ Renault 2023

Mechatronics

SmartAccess™

Magna's SmartAccess™ power door is a complete system allowing consumers unique vehicle access experiences. It's easily operated through multiple HMI solutions and features enhanced safety through available non contact obstacle detection, all fully customizable.



Smarter



Safer



Electrification



Autonomy



New Mobility



First to Market



Design



Co-Development
Opportunity



Exclusive@Magna



Patented

Competitive advantage/differentiators

- Complete system for power door applications including latches, hinges and power systems
- Features industry first Haptronik motion control
 - Customizable door feel with grade compensation
- Easily operated through multiple HMI solutions
 - Capacitive touch keypad / key fob / phone / ehandles etc.
- Obstacle detection provides enhanced safety
 - Available contact and non contact
- Fully customizable feature set
 - Virtual door check, door presenter, ice breaker, cinching etc.
- Allows for brand differentiation and styling
- Available SmartLatch™ with cinch enables full door function integration and styling enhancements through eHandles

SOP

Ideation

Discovery

Concept

Development

Series Production

In Production

SmartAccess™ Power Frunk System

Enabling new experiences for EV owners with a complete system for power frunk applications including latches, hinges and power systems.



Smarter



Safer



Electrification



New Mobility



Design

Competitive advantage/differentiators

- Complete system supplier and integrator ensuring safety and reliability
 - Power drive units
 - Electronics
 - Frunk latches / hinges
 - Anti pinch strips
 - HMI / gesture concept development
- Improves ease of use and convenience for consumers when opening the frunk
- High output motor inline with efficiency gearbox with high output torque at low noise

Ideation

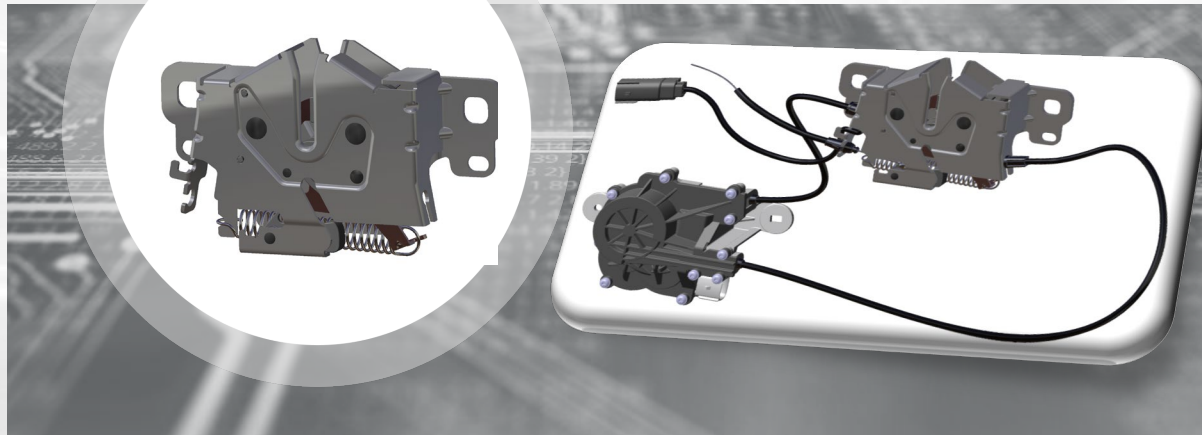
Discovery

Concept

Development

Frunk Latch – Power Release/Cinch

Modular Frunk Latch with double pull power release and cinching features



Smarter



Safer



Electrification



New Mobility



Design



Patented

Competitive advantage/differentiators

- Double Pull Release
- Power Release
- Integrated or Remote Cinch Function
- Modular latch concept
- Optional escapement feature per FMVSS401
- Integrated pop-up feature for ease of access for manual operation
- Single or Dual latch system available

Applications

- Front mounted latch
- Can be used for both power and non power hood systems as it provides a soft close regardless of seal load

SOP

Ideation

Discovery

Concept

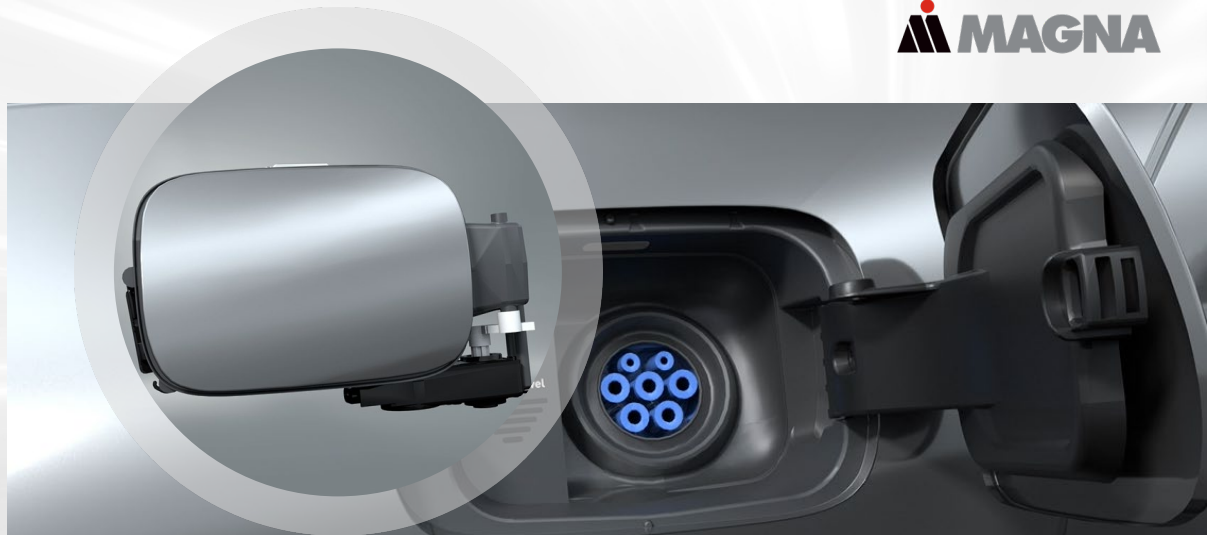
Development

Serial Preparation

in Production

SmartAccess Power Charge Flap

Automated charging flap that allows for easy access to the vehicles charging socket improving the customers experience.



Smarter



Safer



Electrification



New Mobility



Design

Competitive advantage/differentiators

- Increased comfort and convenience for consumers of electric vehicles
- Intelligent capacitive entry solution available with false trigger protection
- Actuator & gesture opening projects in pre-development
- Available in multiple opening movements
- Available lighting, locking and HMI opening features

SOP

Ideation

Discovery

Concept

Development

Series Preparation

in Production



Forward. For all.