



GENERAL MOTORS

# **FUTURE OF MOBILITY**

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**Maryland Connected & Automated  
Vehicles Working Group  
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# GM'S WORLD VIEW

GM is committed to a future of:

**ZERO**  
*CRASHES*

**ZERO**  
*EMISSIONS*

**ZERO**  
*CONGESTION*



*TECHNOLOGY WILL  
HELP UNLOCK THIS FUTURE*



**94%**

*OF ALL  
TRAFFIC ACCIDENTS  
ARE CAUSED BY  
HUMAN ERROR*

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\* Source NHTSA,  
Fatal Accident Reporting System (FARS).

*COMMUTERS*  
**WASTE A  
FULL WEEK**  
*OF THEIR LIVES IN  
TRAFFIC EACH YEAR*

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\* Source: Auto Insurance Center

GENERAL MOTORS



*THE U.S. HAS*  
**3 NON-  
RESIDENTIAL  
PARKING  
SPACES**

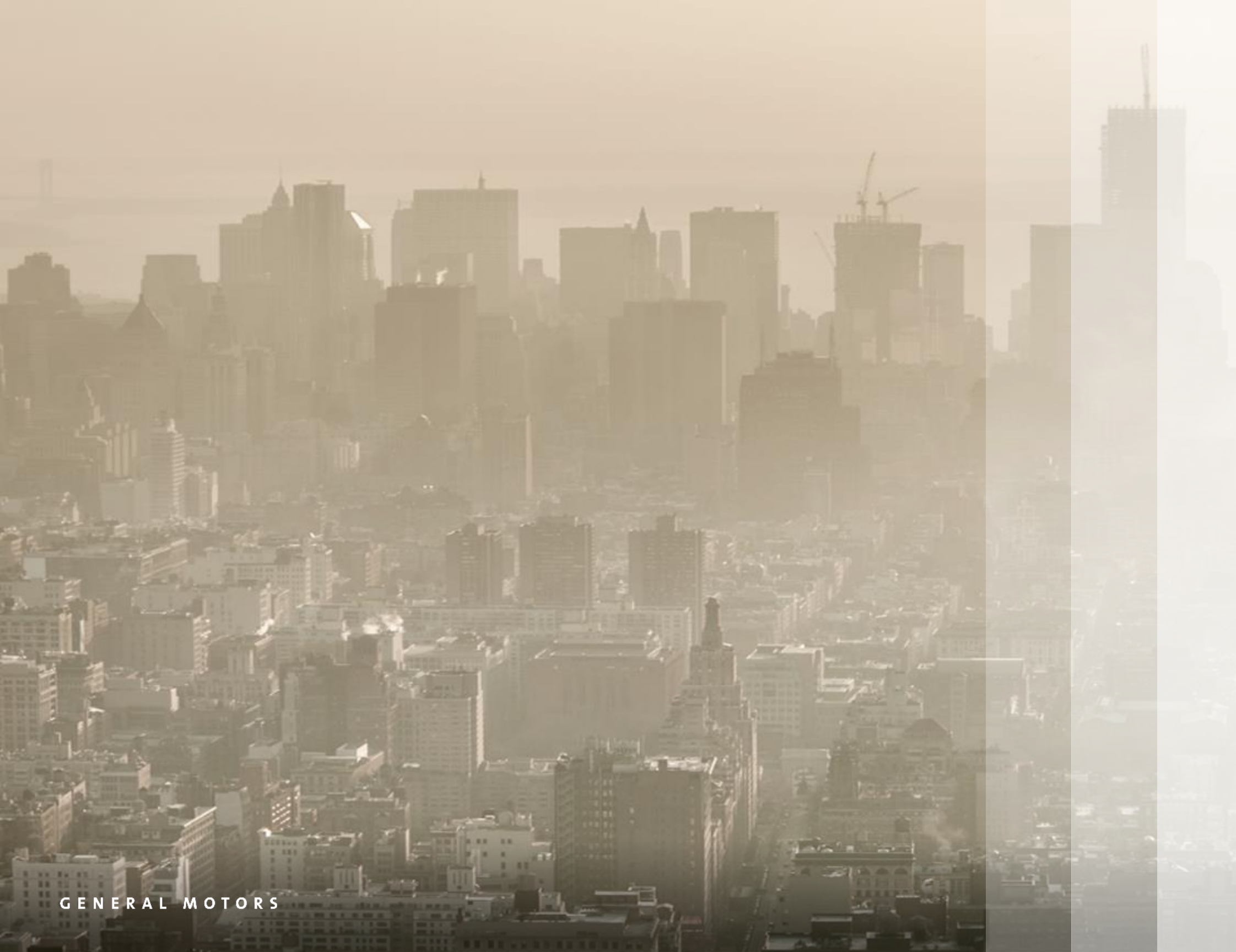
*FOR EVERY CAR  
ON THE ROAD*

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\* Source: NY Times, Eran Ben-Joseph

GENERAL MOTORS





*WE BELIEVE*  
**ALL AVs**  
**SHOULD BE**  
**EVs**

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*SAFER, CLEANER, MORE ACCESSIBLE TRANSPORTATION  
FOR ALL*

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***“THE AUTOMOBILE INDUSTRY WILL  
CHANGE MORE IN THE NEXT FIVE  
YEARS THAN THE LAST 50 YEARS” –  
MARY BARRA***

# CADILLAC SUPER CRUISE

- SUPER CRUISE IS THE INDUSTRY'S FIRST TRUE HANDS-FREE DRIVING TECHNOLOGY FOR THE HIGHWAY
- SUPER CRUISE DELIVERS COMFORT AND CONVENIENCE FOR LONG-DISTANCE TRAVELS AND DAILY COMMUTES
- UNLIKE DRIVER ASSISTANCE SYSTEMS, SUPER CRUISE UTILIZES TWO ADVANCED TECHNOLOGIES TO ENSURE SAFE AND CONFIDENT VEHICLE OPERATIONS:
  - DRIVER ATTENTION SYSTEM
  - LIDAR MAP DATA

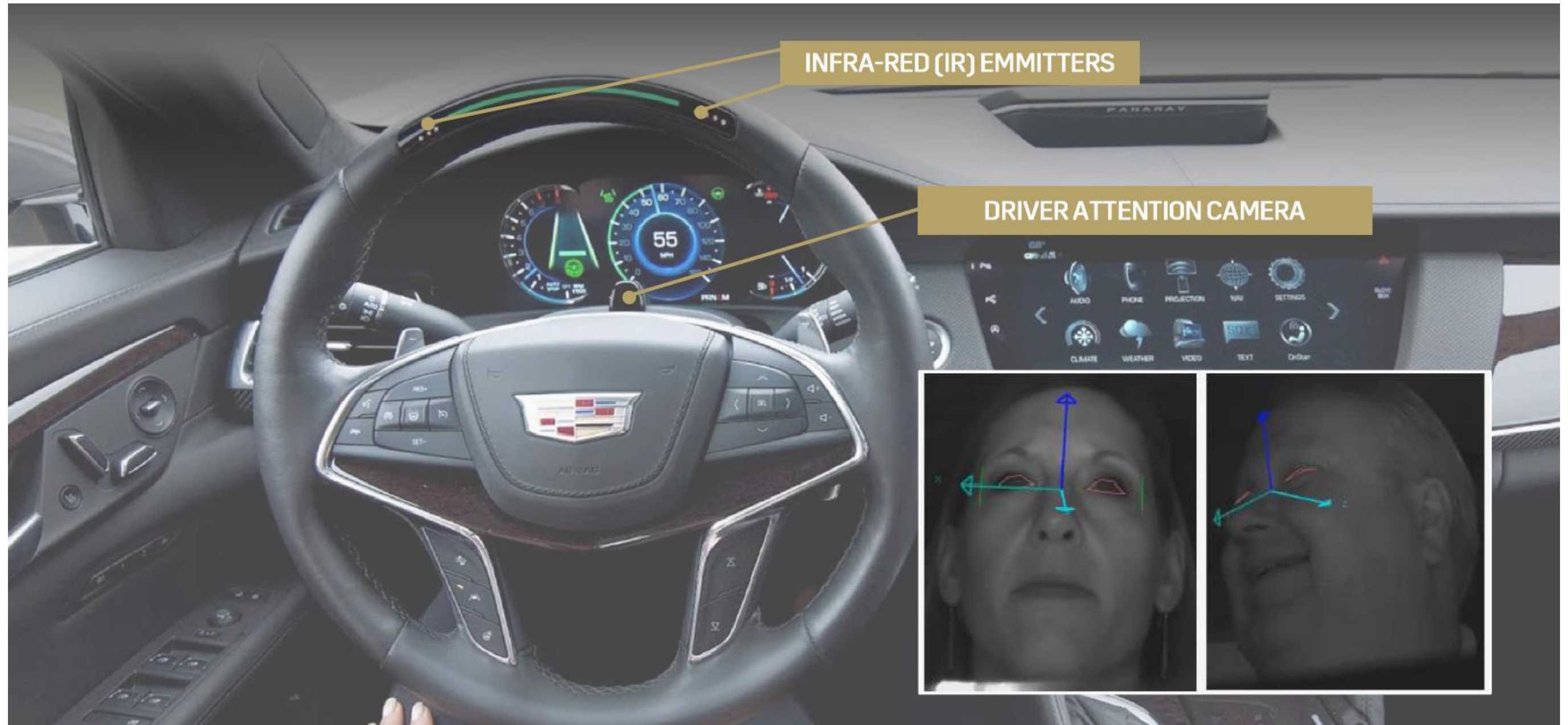


# CADILLAC SUPER CRUISE

- AVAILABLE ONLY ON DIVIDED, LIMITED-ACCESS FREEWAYS (WITH DEFINED “ON-” AND “OFF-RAMPS”)
- PROVIDES COMFORT AND CONVENIENCE IN LONG-DISTANCE TRAVEL AND DAILY COMMUTES
- ENGINEERS MAPPED EVERY MILE OF LIMITED-ACCESS FREEWAY IN THE US AND CANADA (133,000 MILES)
- MAP UPDATES REFRESH CUSTOMER VEHICLES ON A QUARTERLY BASIS

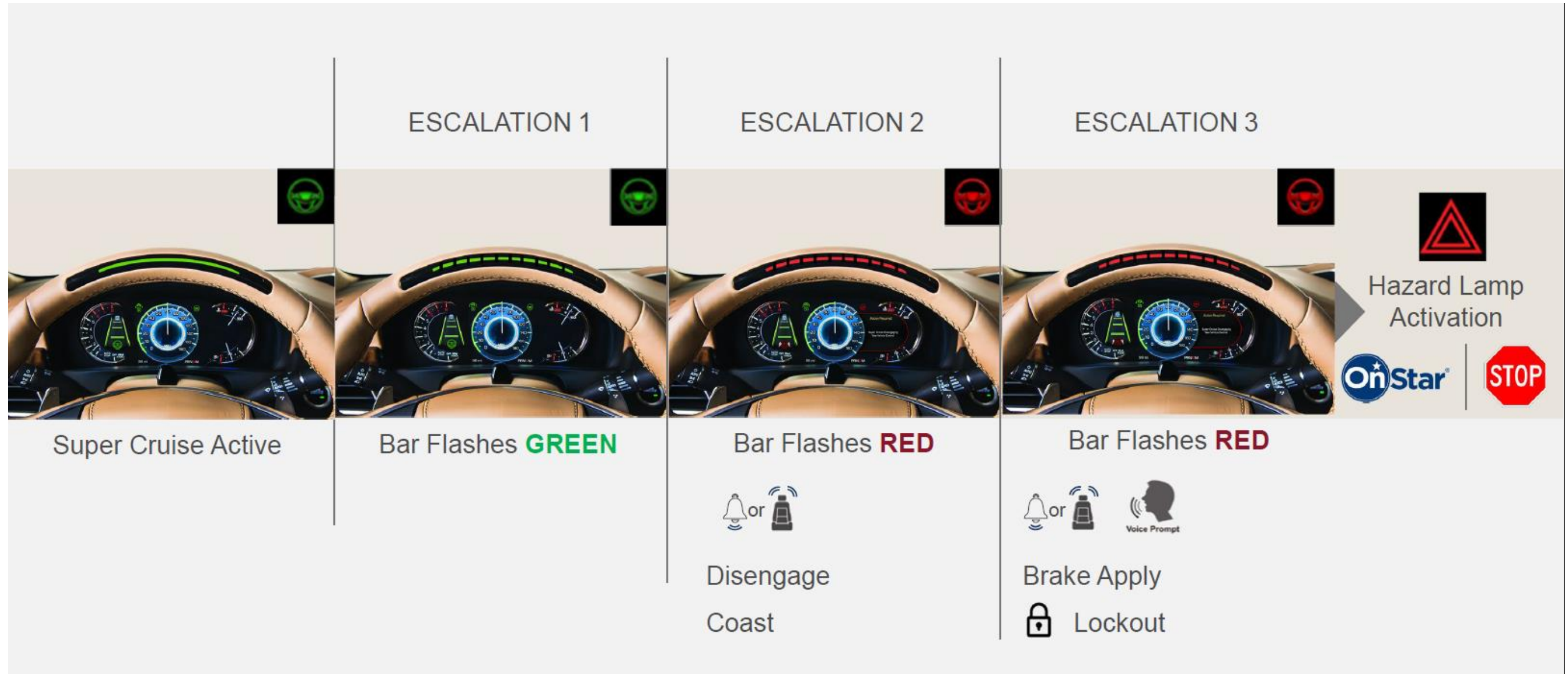


# DRIVER ATTENTION SYSTEM



# DRIVER ATTENTION SYSTEM – ESCALATION

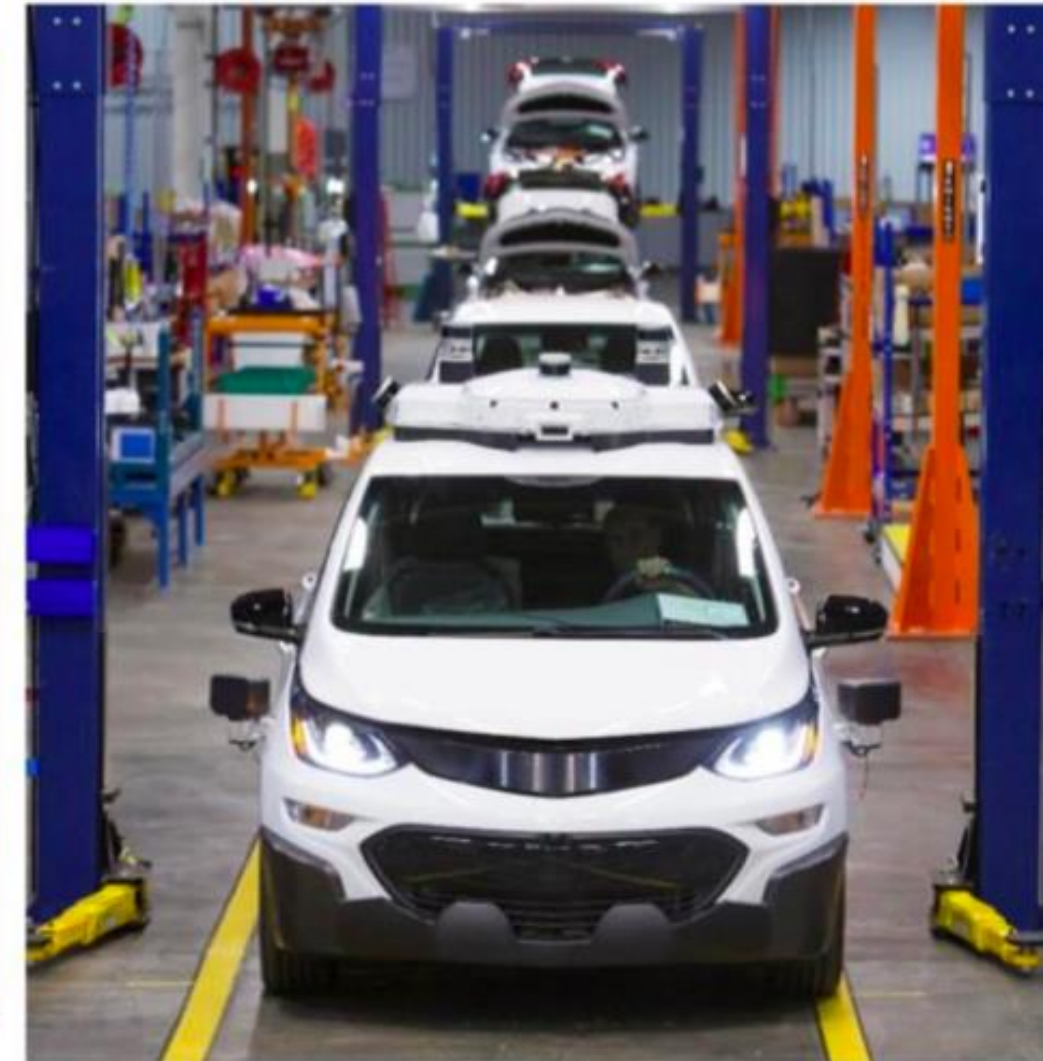
## PROGRESSIVE SERIES OF WARNINGS AND ACTIONS



# ZERO EMISSIONS AUTONOMOUS CRUISE AV



# FULLY INTEGRATED HARDWARE AND SOFTWARE



*LAKE ORION ASSEMBLY PLANT, MICHIGAN*



## GM'S AV STRATEGY

OUR PLAN IS TO DEPLOY AUTONOMOUS VEHICLES:

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*IN*  
**RIDE-  
SHARE  
FLEETS**

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*AT*  
**LEVEL 4  
TECHNOLOGY**

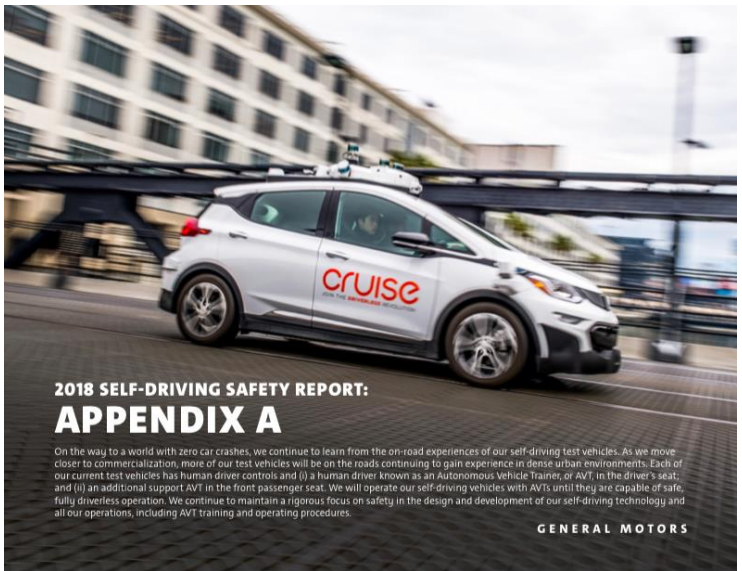
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*WITH*  
**ELECTRIC  
POWERTRAIN**

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*SAFER, CLEANER, MORE ACCESSIBLE  
TRANSPORTATION FOR ALL*

# NHTSA: VOLUNTARY SAFETY SELF-ASSESSMENT PROCESS



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# THANK YOU

