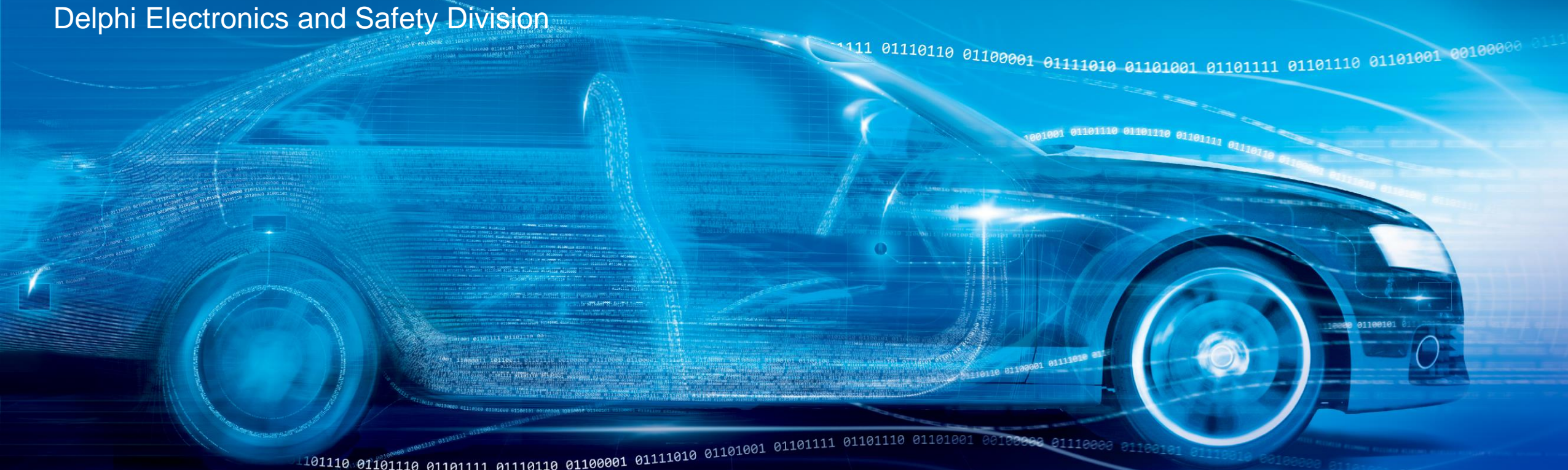


Goldman Sachs “Cars 2025”

Glen W. De Vos

Vice President – Engineering and Services Business Unit

Delphi Electronics and Safety Division



DELPHI

Innovation for the Real World

Accelerating macro trends create new challenges

Regulated Active Safety growing with increased consumer awareness

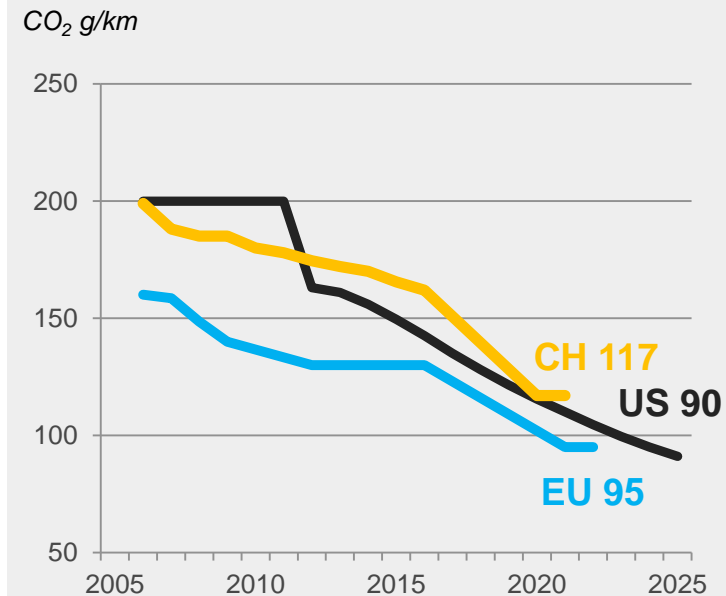
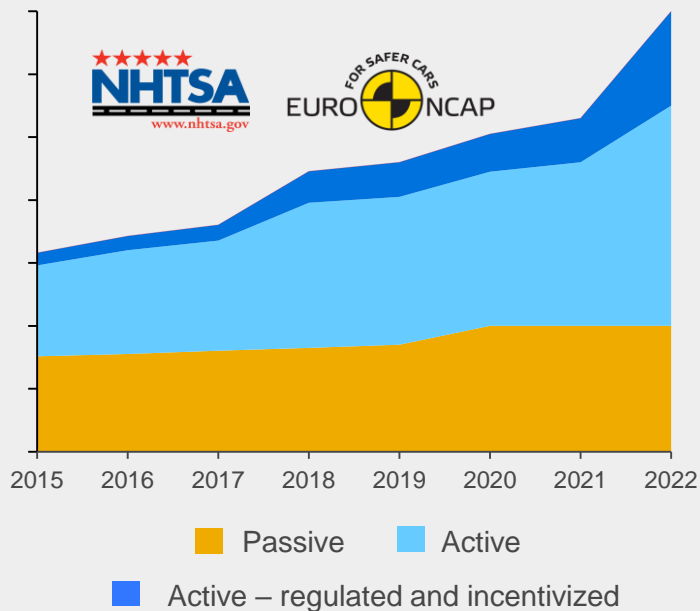
Best-value electrification required to meet step function change in regulation

IoT driving connected car to new levels & creating new challenges

More Safe

More Green

More Connected



Connectivity

- Validating 5.9GHz standard for Dedicated Short-Range Radio Communication (DSRC)

Cybersecurity

- Auto Information Sharing and Analysis Center (ISAC) developing process to share & fix vulnerabilities

Big Data

- OEMs enabled to collect but not personalize information

... and opportunities

Complete system technology integrator

Macro trends are creating OEM challenges and consumer demand

Flexible system designs

Best-value innovations

Vehicle integration expertise

Agile software solutions

Solving
customer
problems

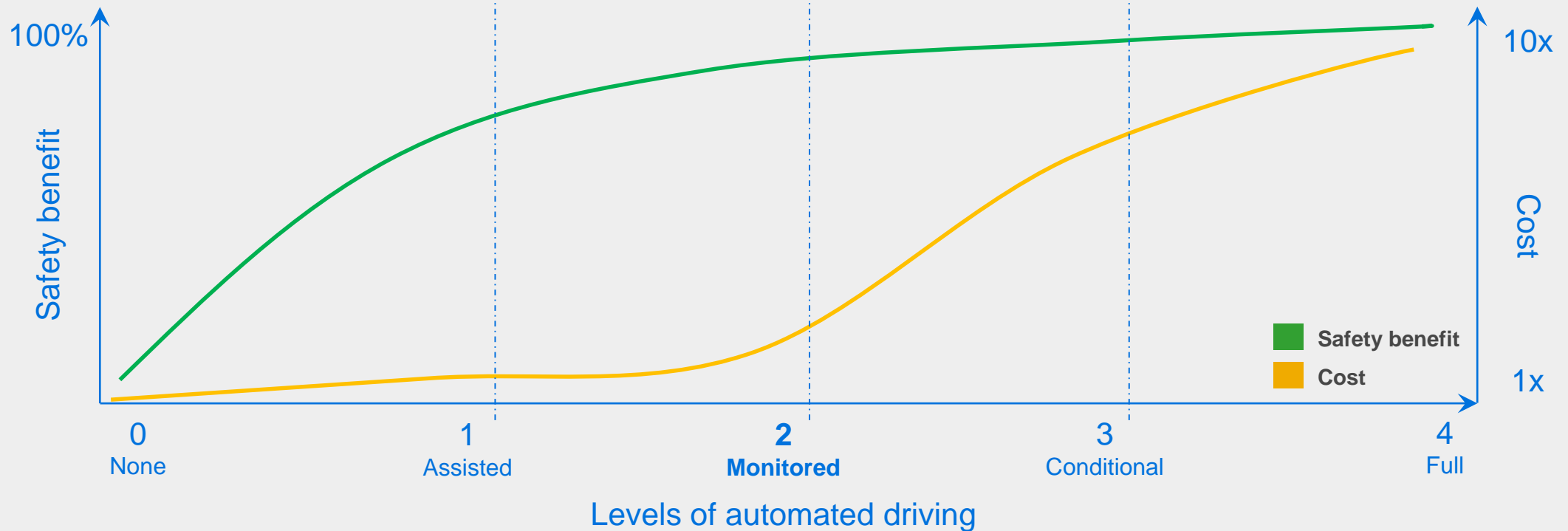


Intelligent Driving

Delphi responding to opportunities with end-to-end solutions

Creating a cost-effective, safer driving experience

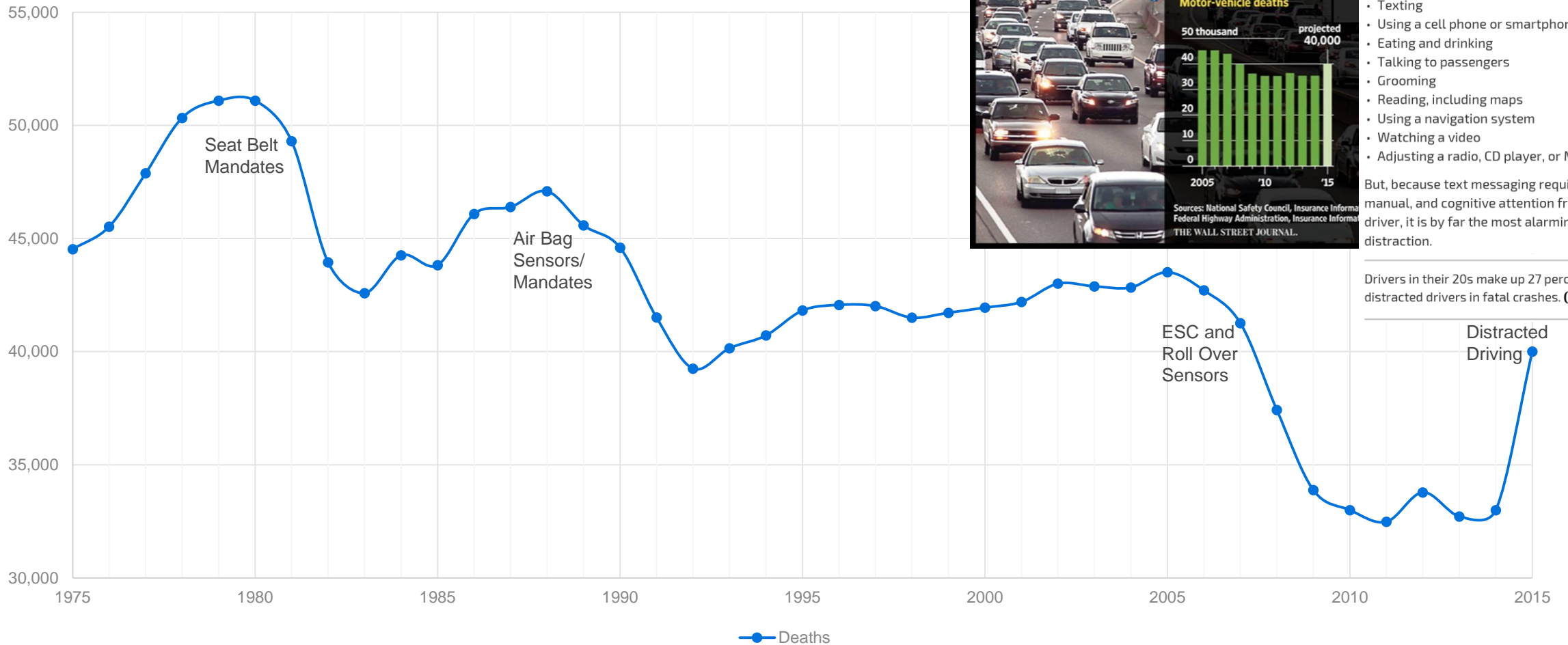
Lower levels of automation deliver 80% of the safety benefit for 20% of the cost of fully autonomous driving



Active Safety technology enabling automated driving is available today



US Automotive Crash Fatalities





Creating intelligent electrification with Delphi's 48V solution

48V electrification

Optimized electrical architecture is the foundation

The Delphi solution

Builds on electrical solution competency

- Includes electrical architecture, power electronics and management

Designs a custom vehicle architecture

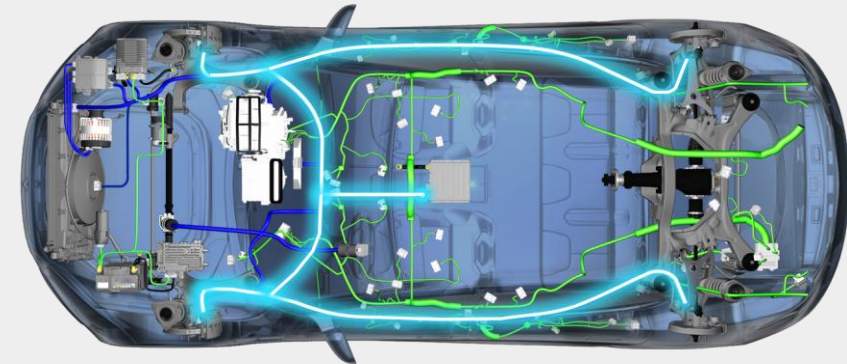
- Maximizes the use of power, moving high load components to 48V & incorporating all desired comfort, convenience & functional features

Incorporates Delphi's suite of products

Enabling intelligent electrification

Improved functionality, better performance, greater efficiency

Software, Software, Software...



Optimized electrification architecture

- | | |
|------------------------------|------------------------|
| Fuel injection systems | DC/DC converter |
| Engine control | Connected Infotainment |
| Valve Train & engine sensors | Active Safety |

Customized vehicle architectures for all applications



Future solutions enabled by industry-leading architectures

2015

2020+

Moves information at less than 65 Mbps using a language created in the 1980s

Distributes decision-making across 100 microprocessors and 50 electronic control units

Centralized multi-domain controllers will make decisions 34,000 times faster than a human

Data speeds will increase 2200% to 1.5 Gbps using high speed Ethernet

High speed data enables tomorrow's technology today



Consumer demand is driving connected car capability

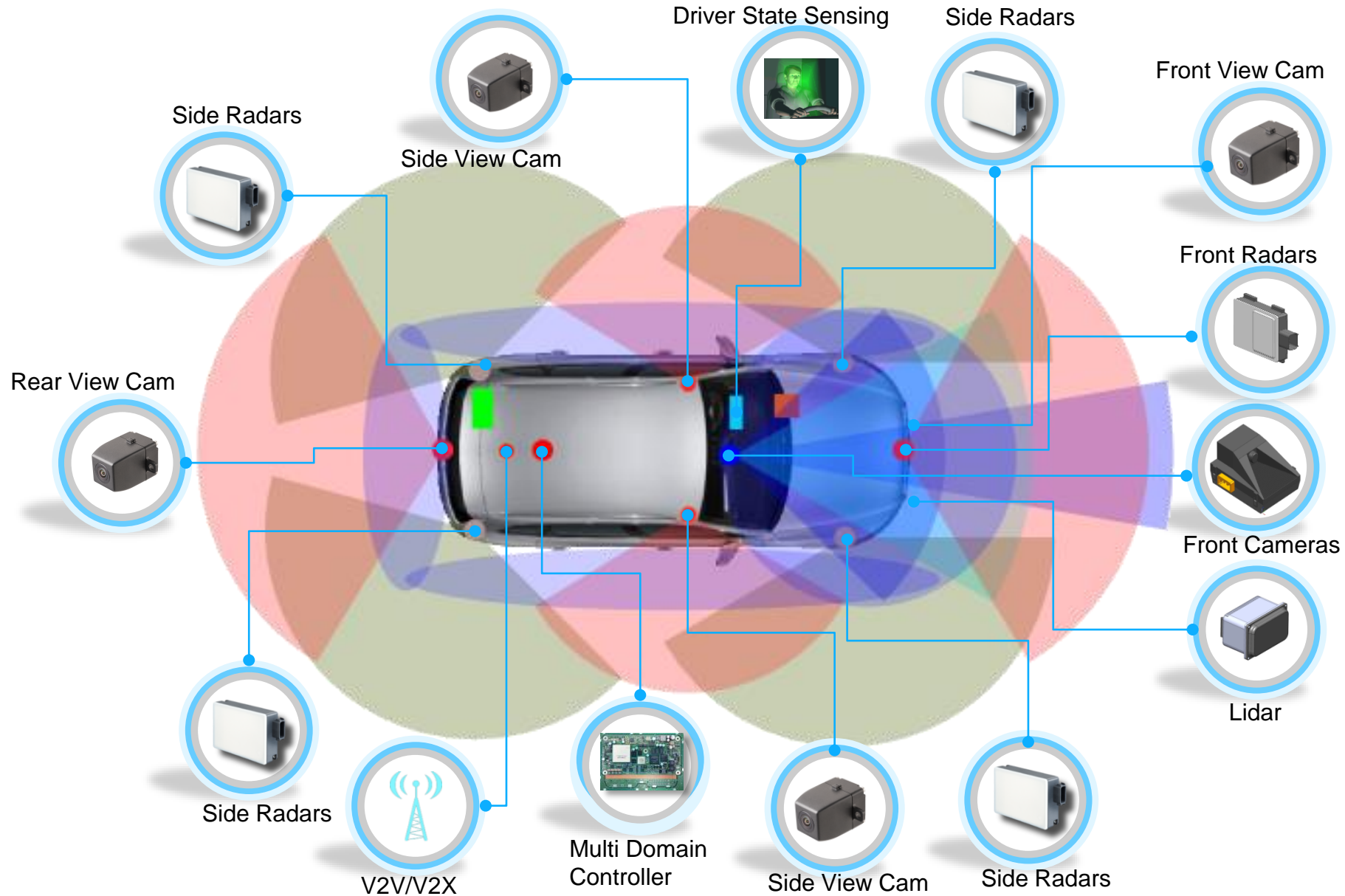
World-class connectivity helps address Safe & Green challenges



The IoT is disrupting traditional automotive



Intelligent Driving – where it all comes together





Building blocks of Intelligent Driving

Optimized Vehicle Architecture

Multi-Domain Controller
High speed electrical architecture
Engine management system

Manage complexity
& performance

Active Safety Sensor Fusion

Suite of sensors

Redundancy & reliability



Enabling Automated Driving

Connected Infotainment

Integrated Cockpit Controller
BYOD
Cloud computing

Features & functionality

Massive amounts of Software

Coded by Delphi and partners

Automated algorithms,
learning as you drive

Safe, Green & Connected converge for a world-class driving experience



Continuing to advance automated driving technology

V2cloud

V2P

Vehicle to pedestrian



V2I

Vehicle to infrastructure



V2V

Vehicle to vehicle



Leveraging Active Safety technology to prevent accidents

Safe, Green and Connected converge...

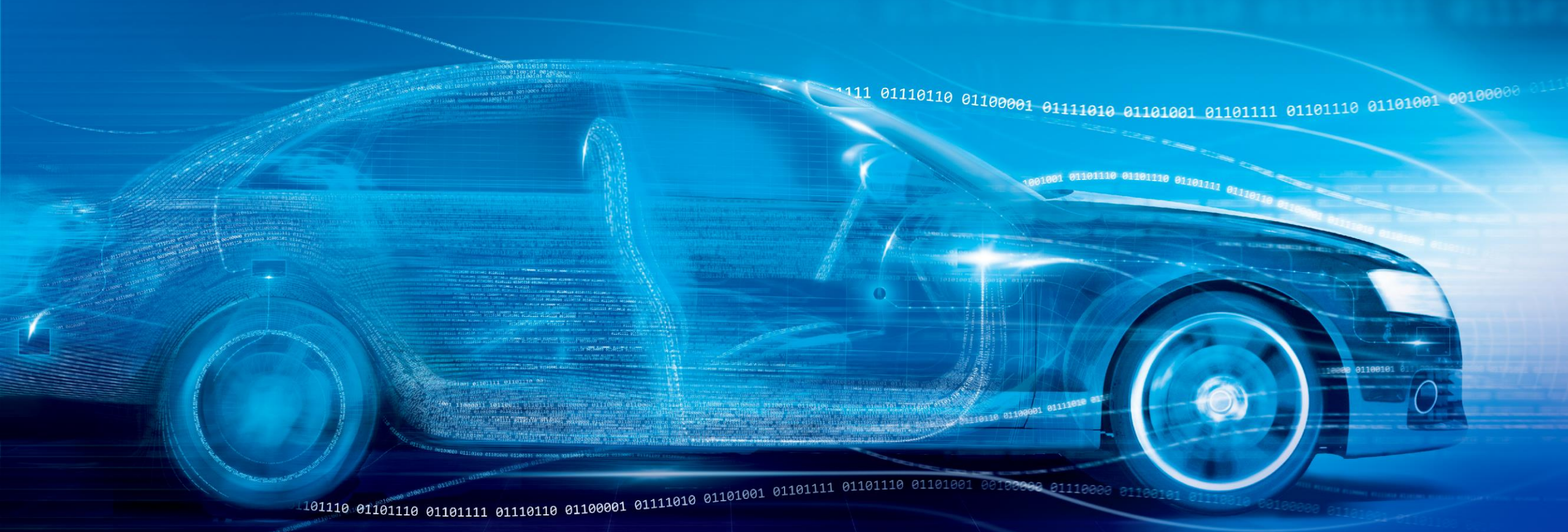


V2safe **V2green**
V2connected



...for an intelligent driving experience

Thank you!



DELPHI

Innovation for the Real World