



C L E P A

*European Association of
Automotive Suppliers*

INTELLIGENT TRANSPORT

FROM “ASSISTING DRIVERS” TO “AUTOMATED VEHICLES”

Stefan Deix,
Director R&I

AGENDA



- INTRODUCTION
- ADVANCED DRIVER ASSISTANCE SYSTEMS
- AUTOMATED DRIVING



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*European Association of
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INTRODUCTION

- ✓ Founded in 1959
- ✓ 110 corporate members of the world's most prominent suppliers for car parts, systems and modules
- ✓ 25 national trade and European sector associations
- ✓ Representing more than 3000 companies
- ✓ 5 million employees
- ✓ 600 billion € sales
- ✓ Partner of the EU and the UN

WHAT WE DO



- ✓ **EU** and **UN** Institutional representation
- ✓ Defining harmonized **regulatory framework** for innovation
- ✓ International business **support**
- ✓ Access to **finance** - Horizon2020, EIB



KEY INNOVATION AREAS



SAFETY



DECARBONISATION



INTELLIGENT
TRANSPORT
SYSTEM



LIGHTWEIGHT
MATERIALS AND
DESIGN



MANUFACTURING
AND
COMPETITIVENESS



AUTOMATED
DRIVING

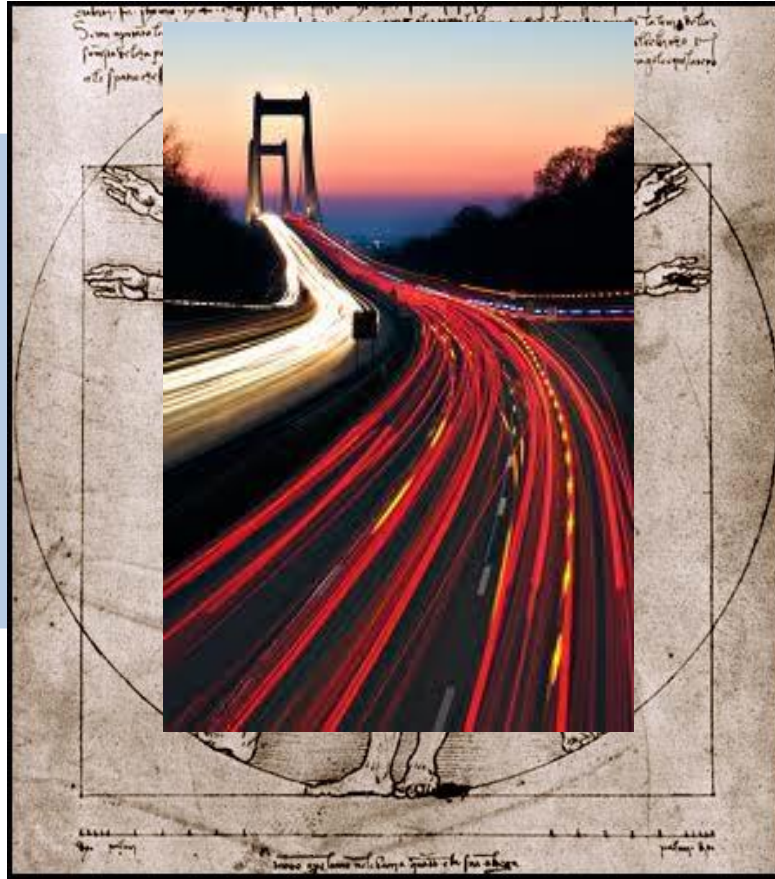


Intelligent Transport System



- Intelligence - How?

Sensing



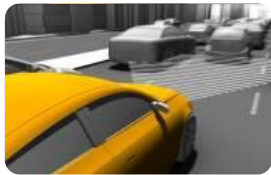


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ADVANCED DRIVER ASSISTANCE SYSTEMS

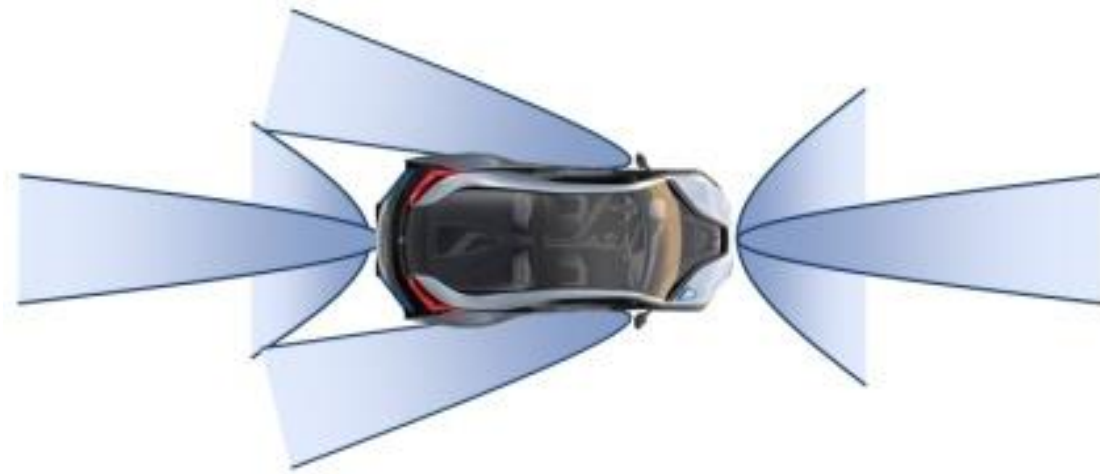
State of the Art



ACC



LDWS



Traffic Sign
Recognition



Lane Change Assist
Blind Spot
Detection



Automated Parking
Rear Cross Traffic
Alert

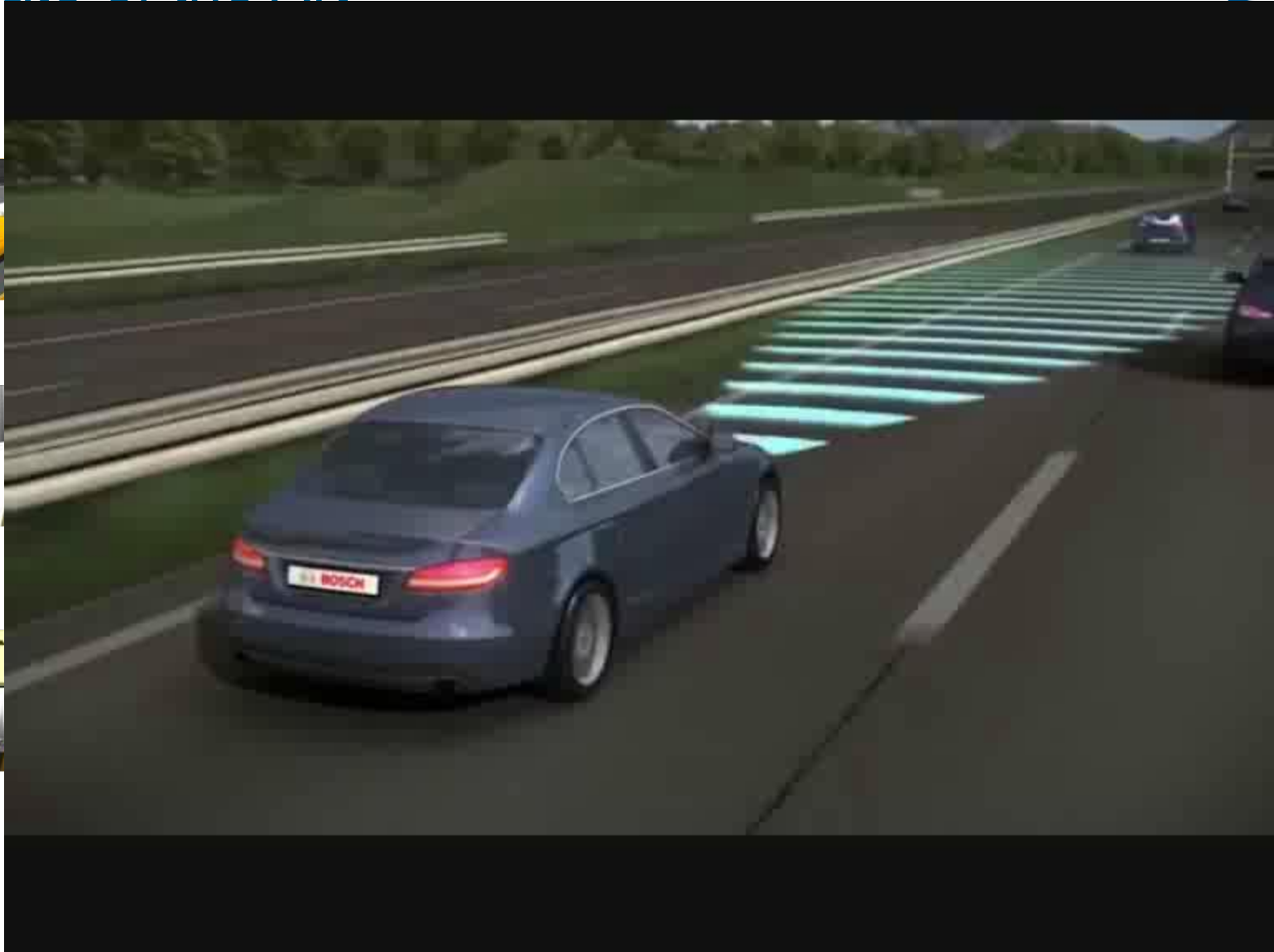


AEBS



Traffic Jam Assist

State of the Art



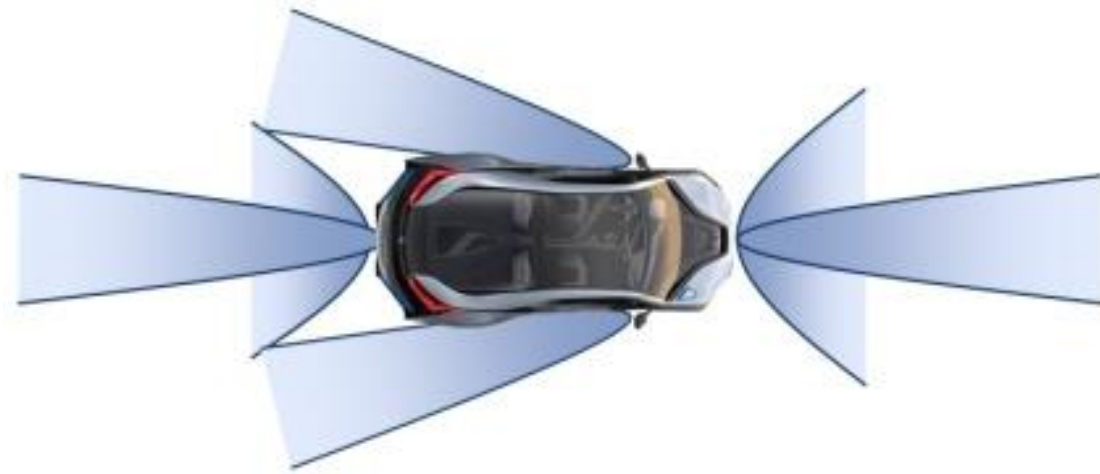
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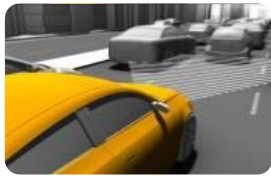


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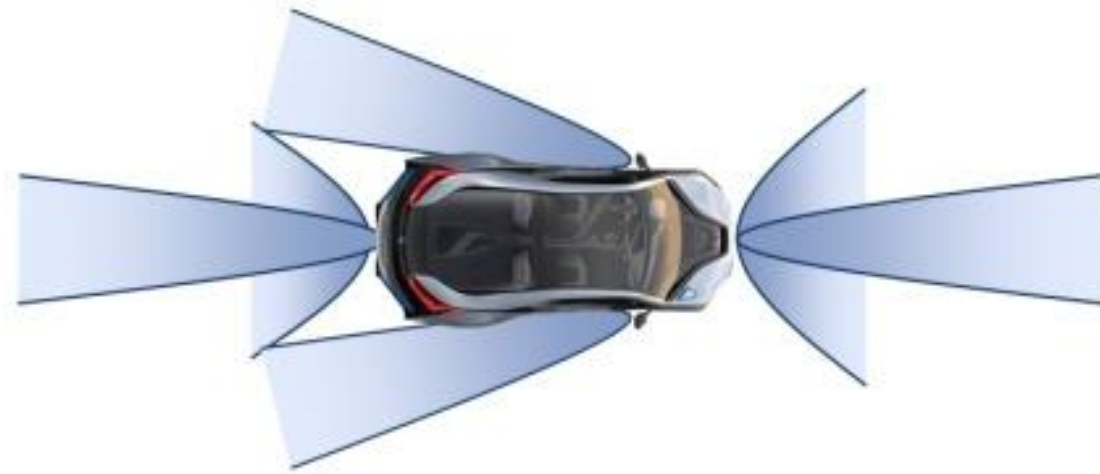
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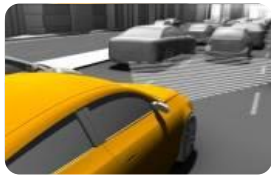


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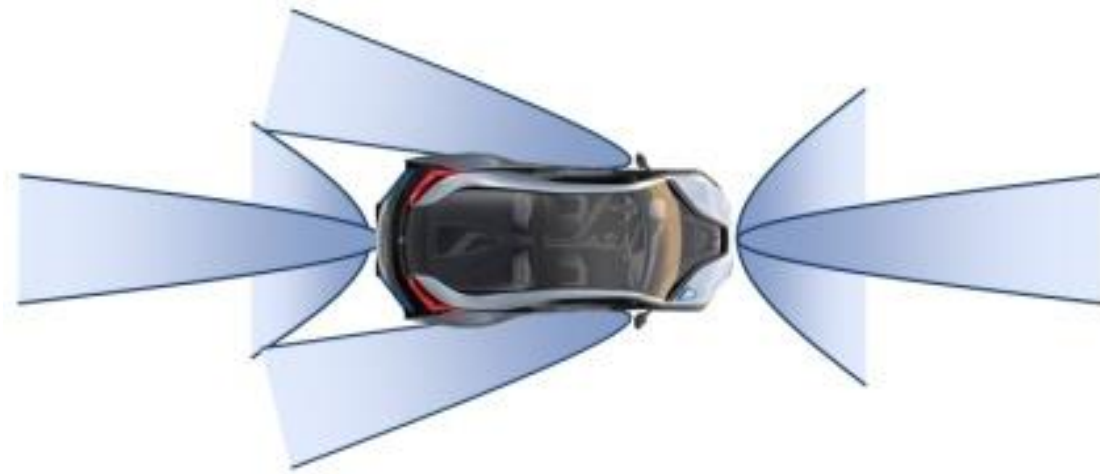
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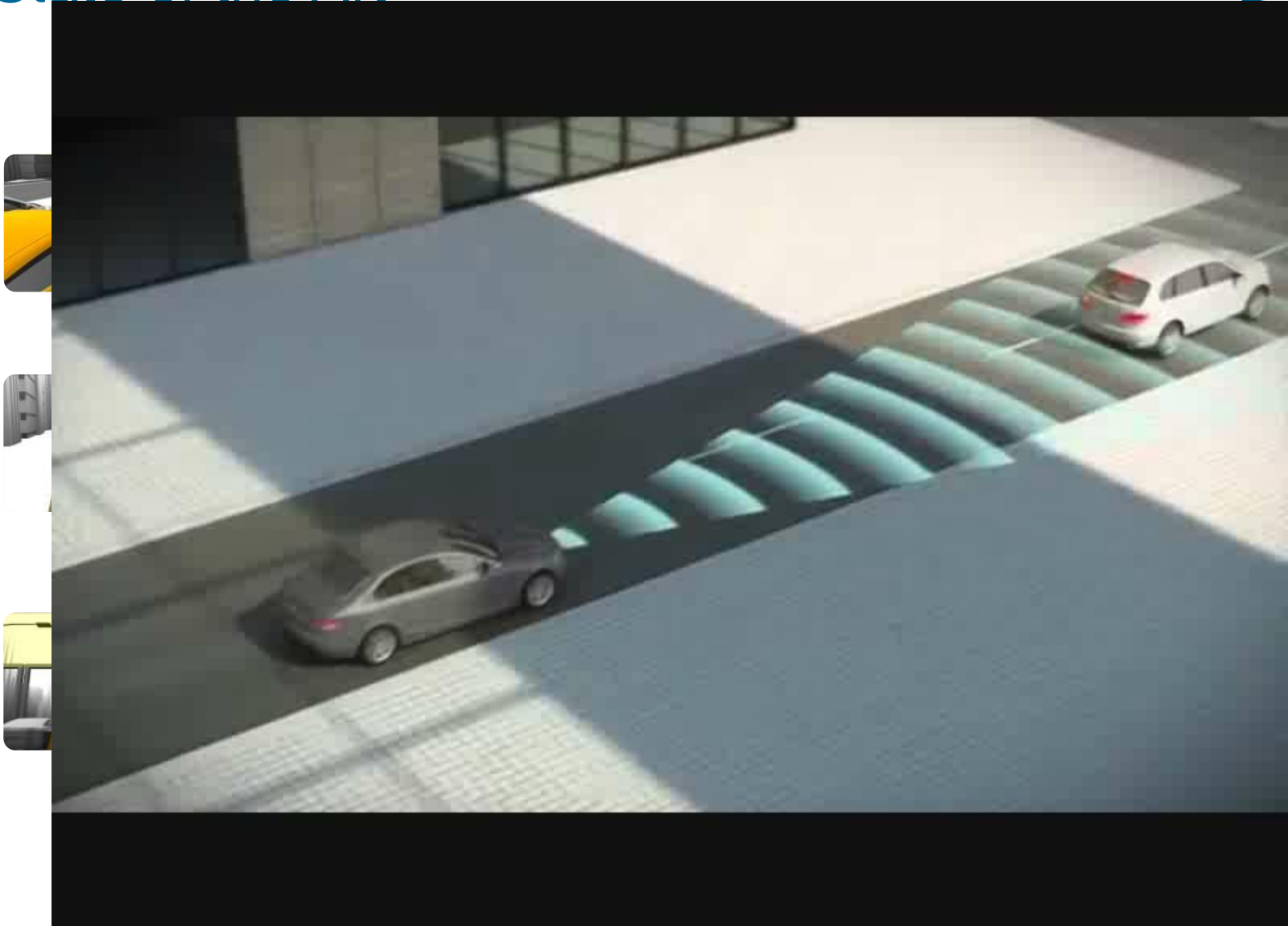


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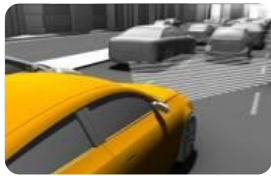


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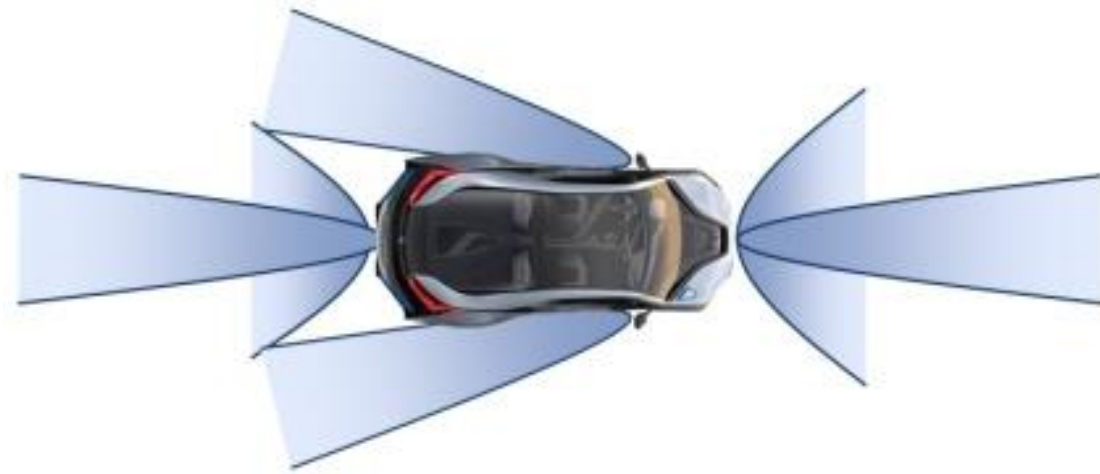
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AUTOMATED DRIVING

AUTOMATED DRIVING



2014



1982

AUTOMATED DRIVING

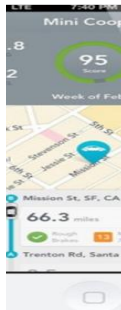


- Why?



Safety

Efficiency



Comfort

AUTOMATED DRIVING



➤ Revolution or Evolution?



AUTOMATED DRIVING



Environmental perception and detection



Driver attendance and involvement



Common validation model and testing requirements



Road system, connectivity and digital infrastructure

AUTOMATED DRIVING



User acceptance



Demonstrating reliability,
safety and robustness of
technology



Regulatory framework

THE IMPLEMENTATION



„Key position for automotive supply industry“



Thank you!

Stefan Deix, R&I Director

