

2021

TechShow

*Around the World. **Mobility.** Our Heartbeat for 150 Years.*

SMART TRAFFIC INFRASTRUCTURE SYSTEM

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WWD Simulation Video



Wrong Way Driver Crashes and Fatalities – US / Highways

295

Crashes
/ year

389

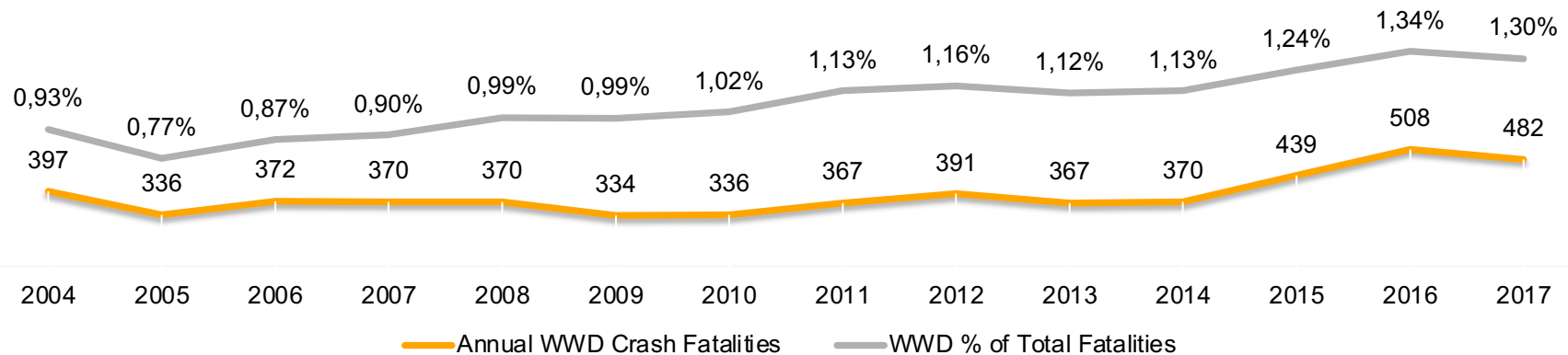
Fatalities
/ year

1.32

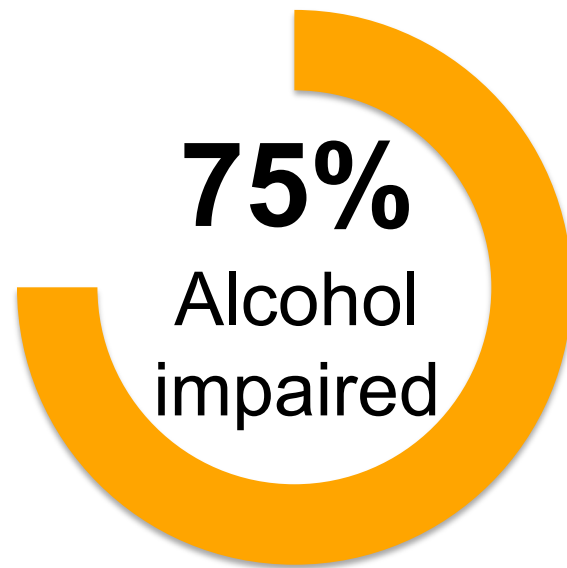
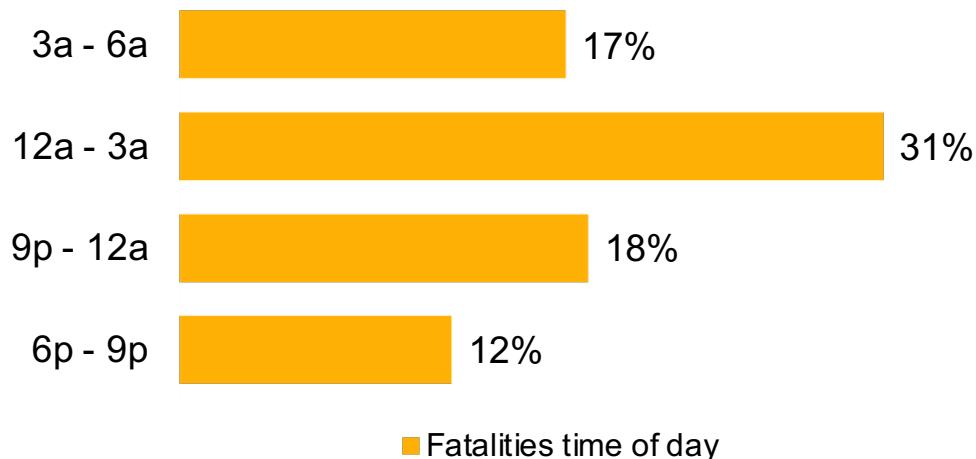
Fatalities
/ crash

>1

Fatality
/ day



Typical conditions for wrong way drivers



6pm < 78% < 6am

15% > 70 years old

MOTIVATION

295

Crashes / yr.

389

Fatalities / yr.

1.32

Fatality / crash

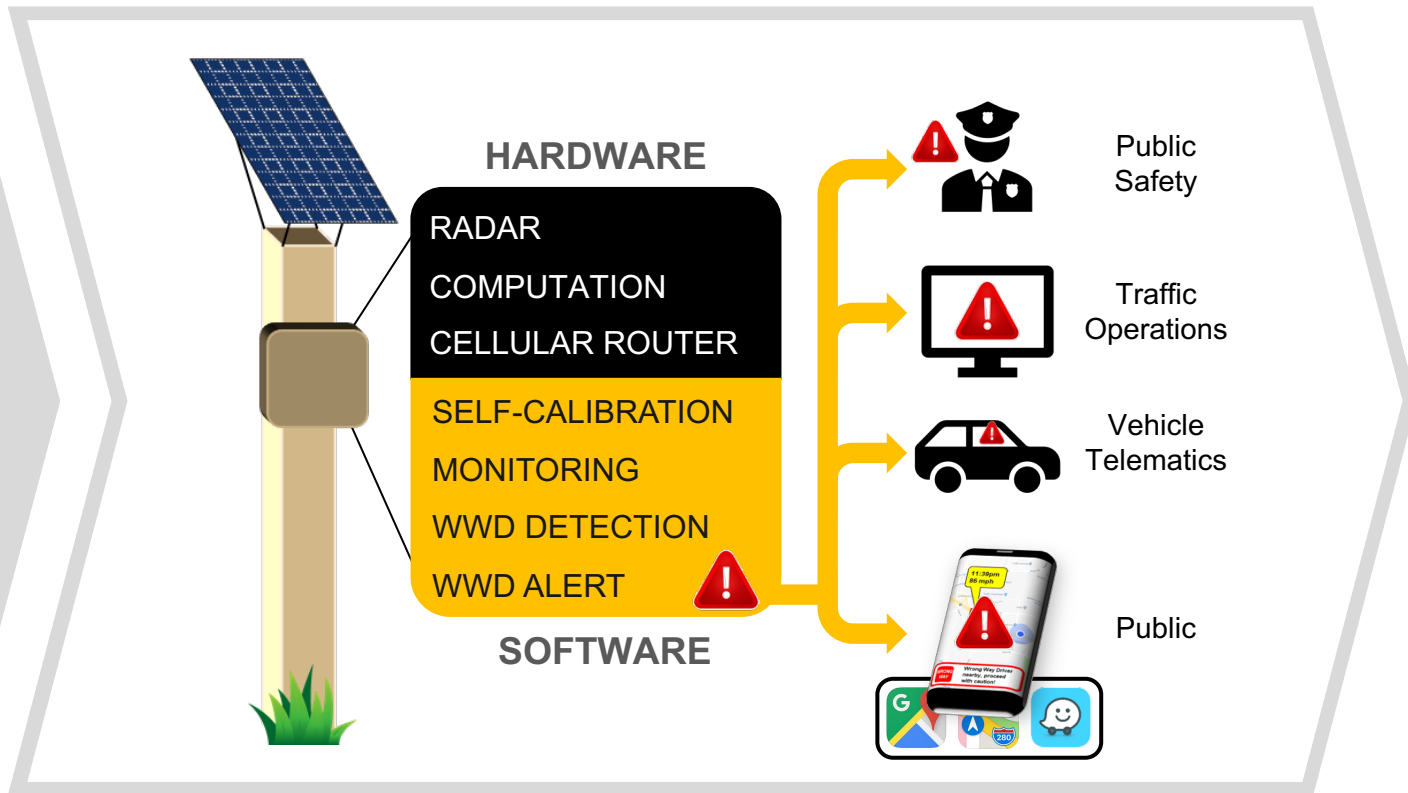
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Fatality / day



2004-2017

SOLUTION



Smart Traffic Infrastructure System

Wrong Way Driver Detection System to achieve Vision Zero



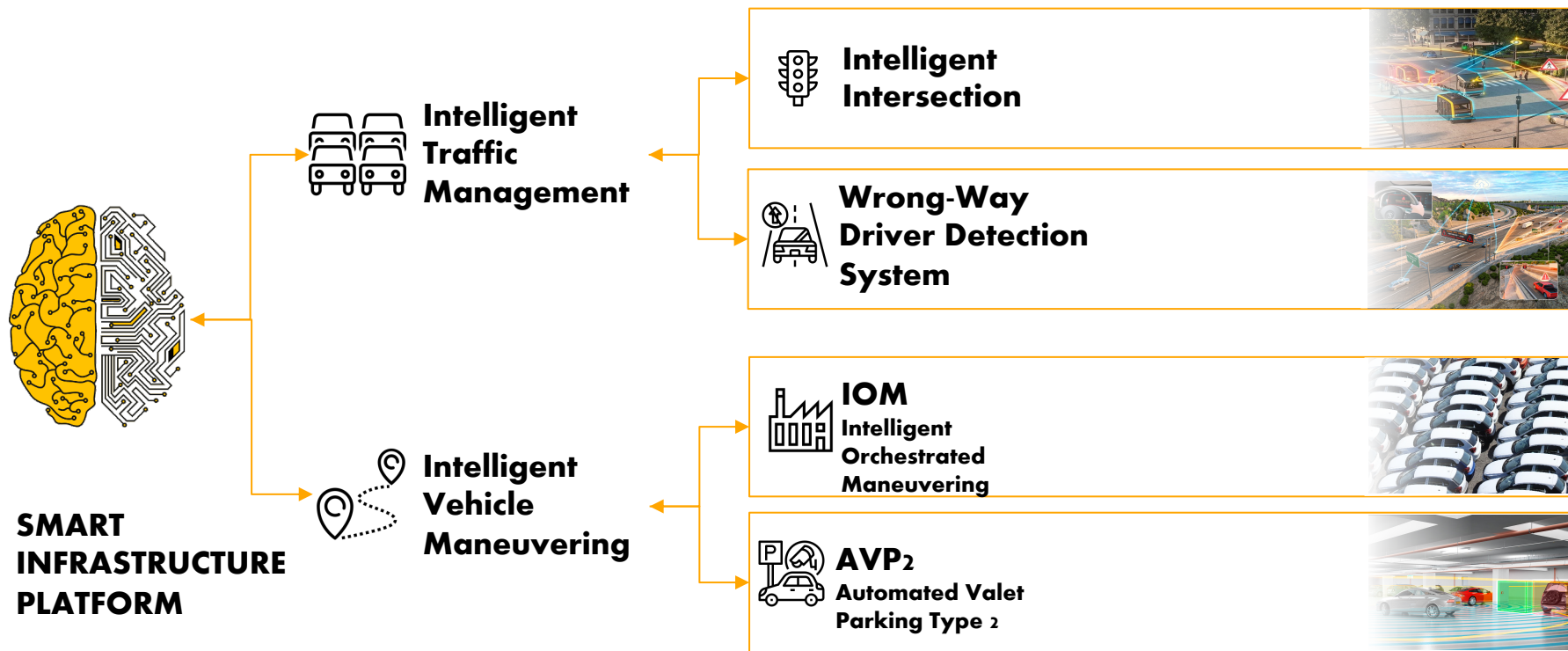
Safety

Warn at-risk drivers of a driver heading the wrong way

Increase safety by detecting Wrong Way Drivers on highways and notify at risk drivers

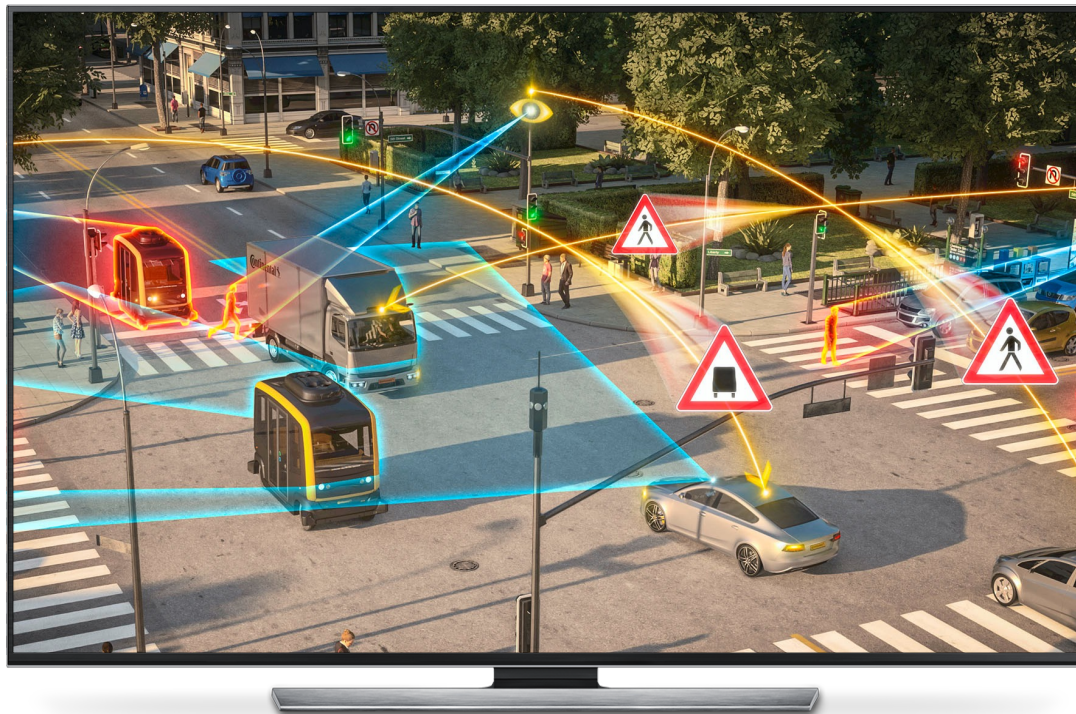
Smart Traffic Infrastructure System

A platform approach



Smart Traffic Infrastructure System

Intelligent Intersection Video



Smart Traffic Infrastructure System

Intelligent Intersections increase urban safety & efficiency

Safety

Enhance traffic safety for all road users by V2X communication

Efficiency

Increase traffic flow by providing more accurate & reliable data for drivers & traffic management

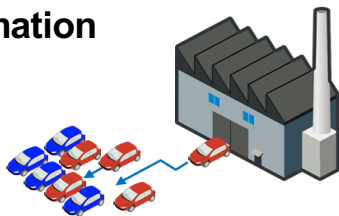
Manage complex intersections with automotive technology at the intersections

Smart Traffic Infrastructure System

Orchestration by Infrastructure enables Automated Maneuvering

Plant Automation

Infrastructure
Orchestrated
Maneuvering



- › Maneuvering of vehicles end-of-line
- › Market entry from 2023 on

(Public) Garages

Automated
Valet
Parking
Type 2



- › Maneuvering of vehicles in garages
- › Market entry from 2024 on



Manage low-speed maneuvering of vehicles in industrial & special equipped areas

Smart Traffic Infrastructure System by Continental

- › Smart Traffic Infrastructure System includes a scalable platform which covers different use cases and product offerings for different markets.
- › The platform enables various safety and efficiency functions for traffic management. Further, it offers an economical way to guide vehicles autonomously in dedicated areas e.g., for plant automation or parking.
- › The concept is modular, adaptable and scalable based on Continental's core technology and Continental's core competencies.



THANK YOU!