

ADVANCED DRIVER ASSISTANCE SYSTEMS

enabling safer vehicles & safe driving



Fatigue and Distraction



90% human-factors

2-5 fatigue and distraction



Facts & Figures - WORLD HEALTH ORGANIZATION



About **1.25 million people die** each year as a result of road traffic crashes. **That is more than 2 deaths per minute**

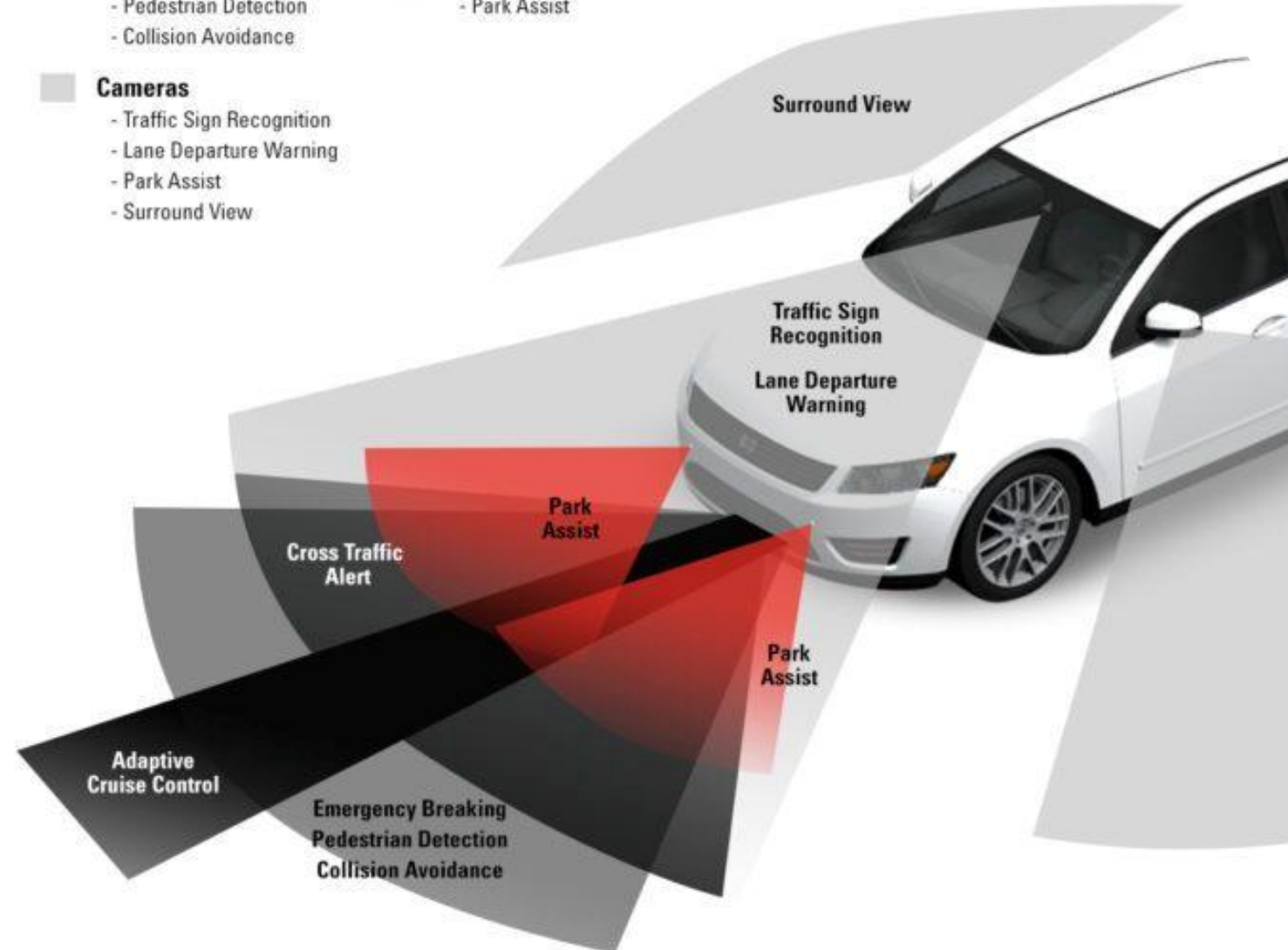
Nearly half of all road traffic deaths are amongst **vulnerable road users, pedestrians, cyclists and motorcyclists**

Between **20 to 50 million** more people suffer **non-fatal injuries**, with many incurring a disability as a result of their injury

National estimates have illustrated that **road traffic crashes cost most countries 3% of their gross national product**

ADAS: THE CIRCLE OF SAFETY

- Long-Range Radar**
 - Adaptive Cruise Control
- Short/Medium-Range Radar**
 - Cross Traffic Alert
 - Rear Collision Warning
- LIDAR**
 - Emergency Braking
 - Pedestrian Detection
 - Collision Avoidance
- Ultrasound**
 - Park Assist
- Cameras**
 - Traffic Sign Recognition
 - Lane Departure Warning
 - Park Assist
 - Surround View



Driver-assistance tech could save pedestrian lives – so why don't we want it?

By Catherine Ellis · a day ago · Car tech · 🚗

Have we become numb?



Image credit: Intel Mobileye

Pedestrian deaths in car accidents have hit record levels, but potentially lifesaving driver assistance tech is often seen as 'nice to have' rather than essential.

An Accident With a Vehicle in Your Company



Passenger
Safety



Insurance Costs

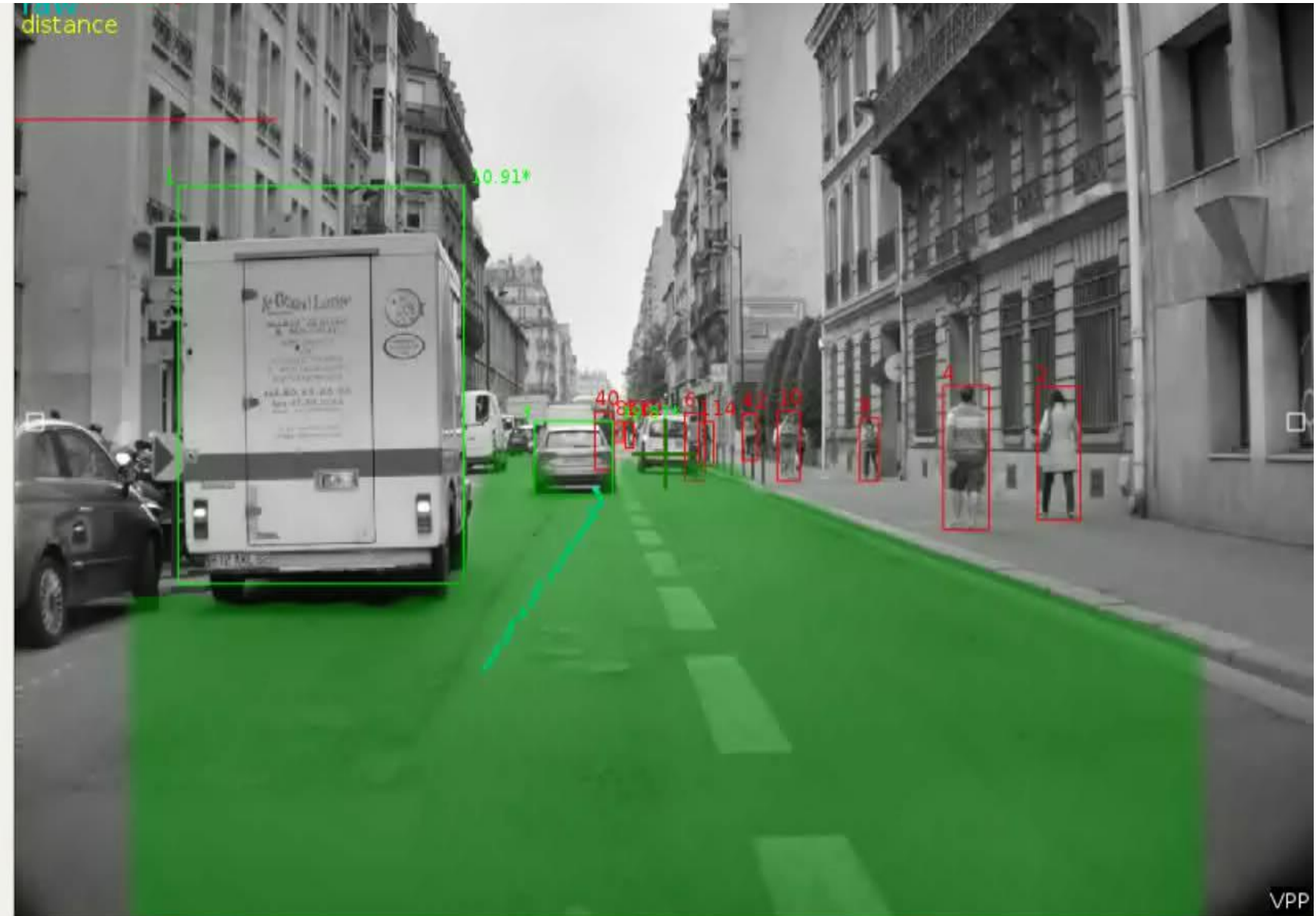


Public Opinion

**TECHNOLOGIES
ENABLING
SAFE VEHICLES
& SAFER DRIVING**

Our System understands the driving scene

- Pedestrians
- Lane Markings
- Vehicles
- Traffic Signs
- Land Marks
- Traffic Lights
- Holistic Path
- Drivable Path



Mobileye Can Be Retrofitted On Every Type Of Vehicle



**ONE-TIME
INVESTMENT**



Illustrative image

Lifesaving Features



Forward Collision
Warning



Pedestrian
and Cyclist
Warning



Lane Departure
Warning



Headway
Monitoring
& Warning



Speed Limit
Indication

Geotab telematics

- Inexpensive and reliable (near 0% failure)
- Advanced GPS
- Simple plug-&-play installation
- Most complete data from vehicles
- IOX expandable



Breakthrough Technology

- Curve algorithm for data recording
- Server-controlled features
- Accident reconstruction
- Reverse & harsh brake detection

- 3-wire tracking
- Dual protocol support
- Remote scan tool
- Compatible with all vehicles



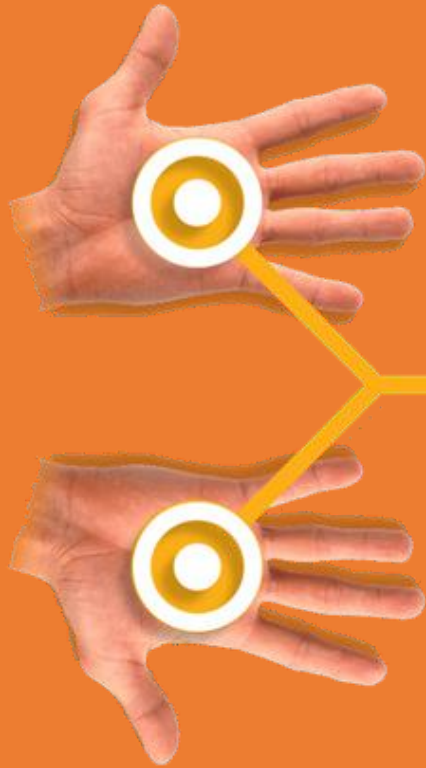
Unique Open Platform

- Seamless access to your own data
- Build and automate with our powerful Software Development Kit and APIs
- Integration matters



CardioID Technologies

SIGNAL ACQUISITION



PROCESSING



MACHINE LEARNING



WELLBEING



BIOMETRICS



DROWSINESS

APPLICATIONS



Steering wheel cover that acquires ECG from the driver's hands.

The cardiac signal is processed locally in real time extracting information related with **drowsiness** and **identity**.

All inputs are aggregated in a cloud service to support decision making.



COMPANY



- Real-time Alerts
- Driver Identity Recognition
- Route/Shift Optimization

DRIVER



- Real-time Drowsiness Alerts

360-degree view of performing a driving



GEOTAB
management by measurement



Mobyleye and Geotab exclusive representative for Portugal

Key Benefits



- 35-40% reduction in incurred accidents
- Improve Driver Behavior/Bad Driving Habits
- Reduces 10-15% fuel consumption
- Reduces the CO2 emissions
- Savings on maintenance (tires, brakes, ...)
- Potential savings on insurance premiums
- Enhances social and corporate responsibility



GEOTAB
management by measurement

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