MERLIN MOBILITY

AUTONOMY FOR PEOPLE WHO DRIVE

Most Americans rely on driving and the cost of auto crashes is staggering.

94% caused by human error.

100

More than 100 Americans die in a car accident every day.

2.5M

More than 2.5M Americans were treated in emergency rooms for injuries sustained in car accidents in 2015.

$836B

The quality-of-life and economic costs caused by car accidents per year.

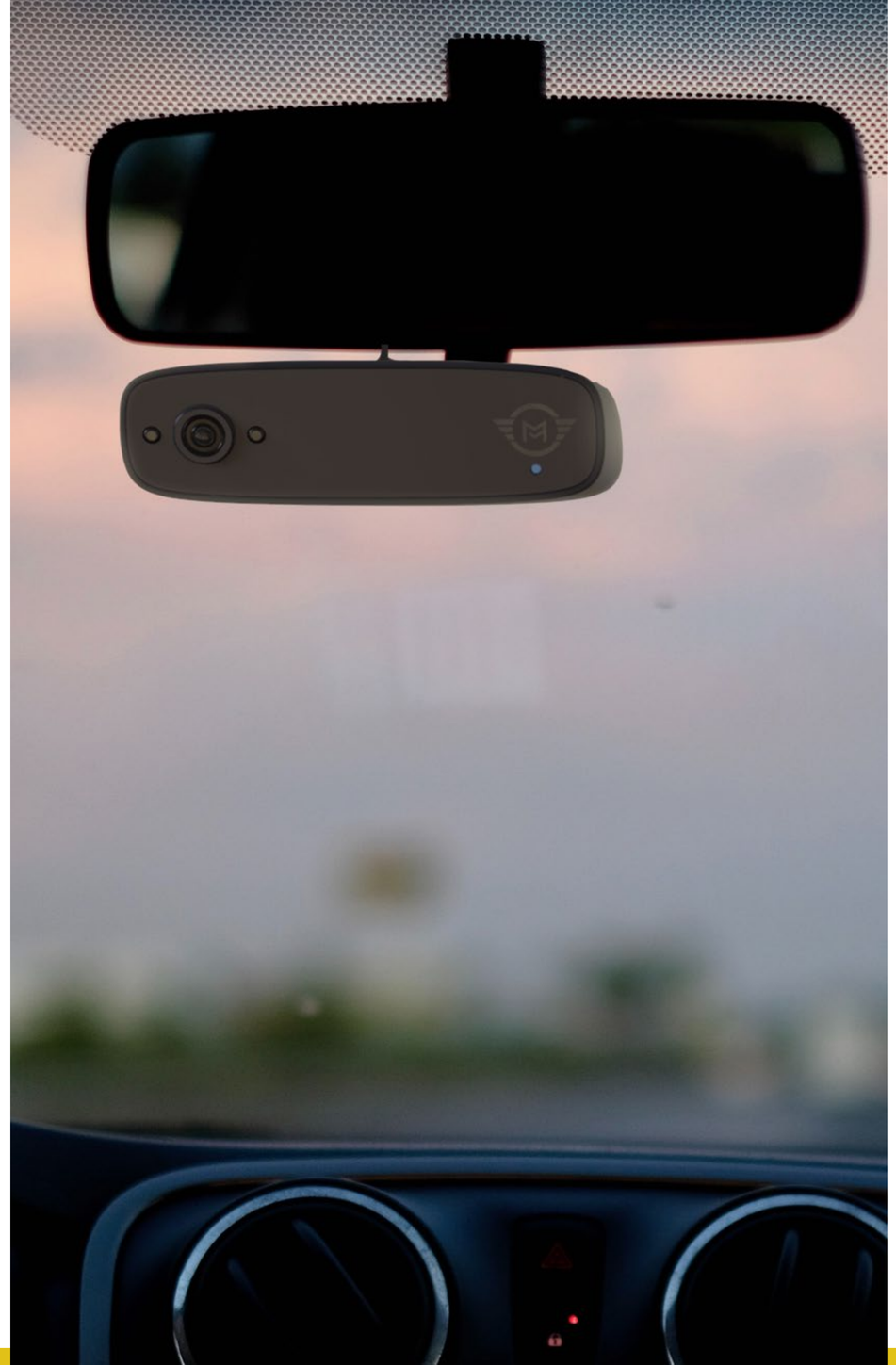
Sources: National Highway Traffic Safety Administration and CDC

FIRST PRODUCT

Merlin Copilot

An after-market driver safety system that uses AI, computer vision and sensor fusion to monitor for **driver vigilance**, help drivers avoid crashes, and take over should a driver become incapacitated.

1. Eliminates most accidents.
2. Makes driving safer and more enjoyable for everyone.
3. Empowers people who could not drive otherwise.

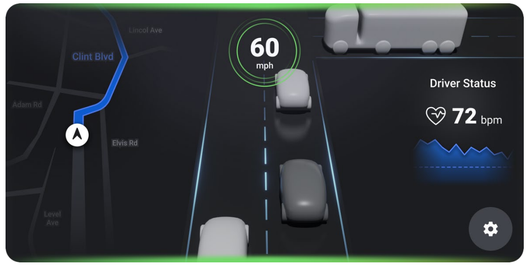


*Picture is shown for illustration purpose only. Actual product design may vary.

Solving for *different* challenges.

	PARIS, FRANCE	PARIS, NEW YORK
Population	2.2M	4.4K
Cars per household	0.3	3
Taxi availability	1 taxi for every 80 people	The only two Uber drivers are Uncle Joe and Aunt Annie
User needs	Access to any place, bar, theater, doctor office, or store	Access to the doctor office, grocery store, bingo hall, church, or the local bar
Road conditions	Paved unmarked multi-lane roads, high speed limits, lots of lighting, roads are shared with all kinds of traffic and pedestrians 	Paved/unpaved marked single-lane roads, low speed limits, limited lighting, little to no traffic 

MERLIN COPILOT IN ACTION: INCAPACITATED DRIVER TAKEOVER



1. Copilot detects the driver is unresponsive.
2. Alert sounds.
3. Self-drive is engaged. Copilot steers and slows for traffic.
4. Hazard lights and car horn warn other vehicles.
5. Copilot pulls over to the right lane or shoulder, if available.
6. Copilot safely stops the vehicle.
7. Copilot notifies emergency contacts, sending driver photos and GPS location.

MOBILITY SPACE TARGETS

Increasing ***mobility equity***.

- Ease the use of special equipment (the Merlin Copilot can cover 70-80% of the roads today).
- Develop new hardware that works in conjunction with our equipment for longitudinal and lateral control.
- Work with companies that retrofit vehicles to provide the correct set of components that can be controlled via CAN by the Merlin Copilot.
- Continue partnership with the Human Engineering Research Laboratories at the University of Pittsburgh in the mobility space.

THE WINNING APPROACH

HUMAN *AUGMENTATION*, NOT REPLACEMENT.

Our approach has distinct advantages; No moonshots necessary.

We can get to market quickly.

Depending on the feature set, can begin commercial sales this year.

We avoid regulatory difficulties.

Unlike autonomous vehicle companies, there is no requirement to certify to FMVSS. Our solution fits into existing regulatory framework.