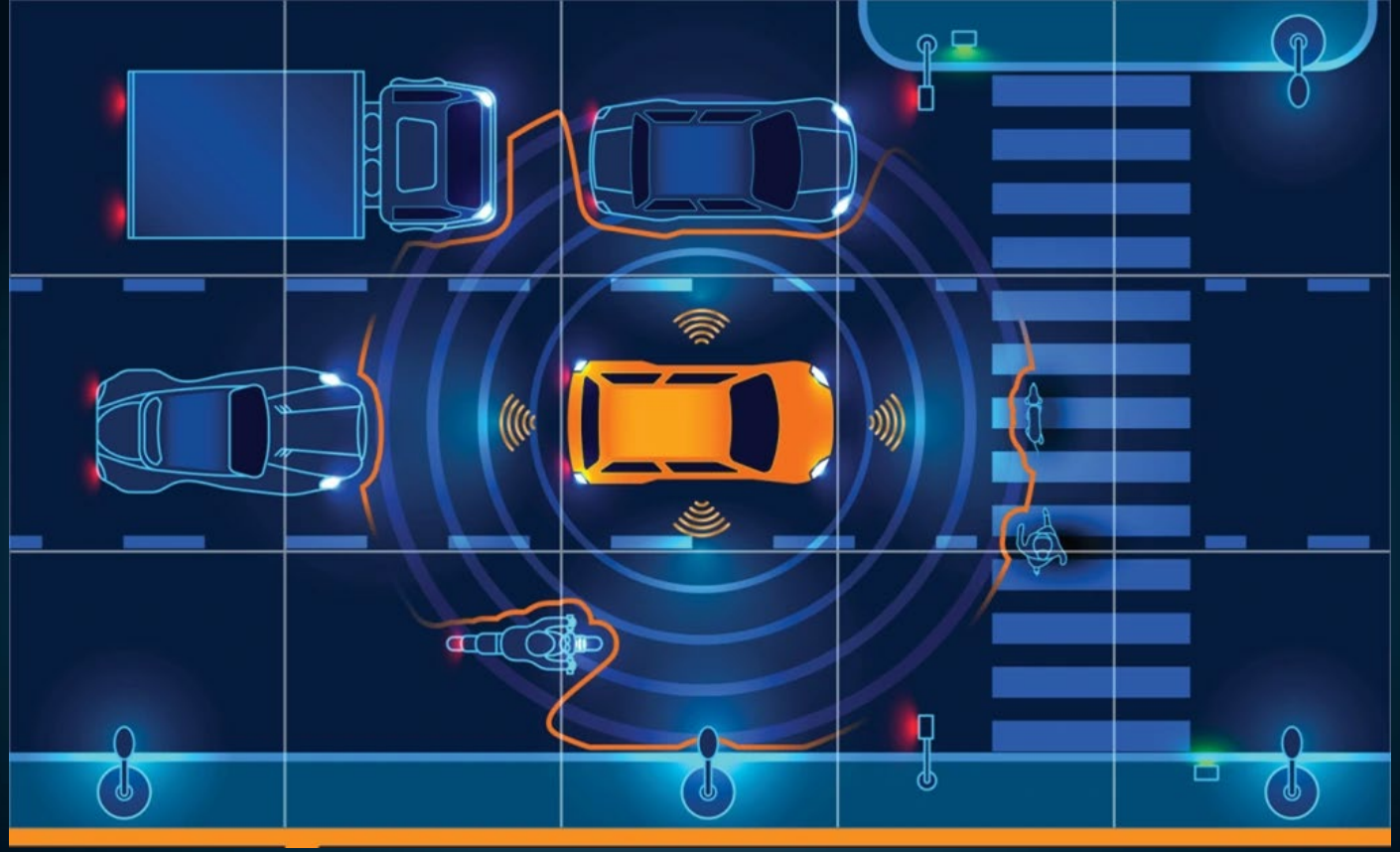
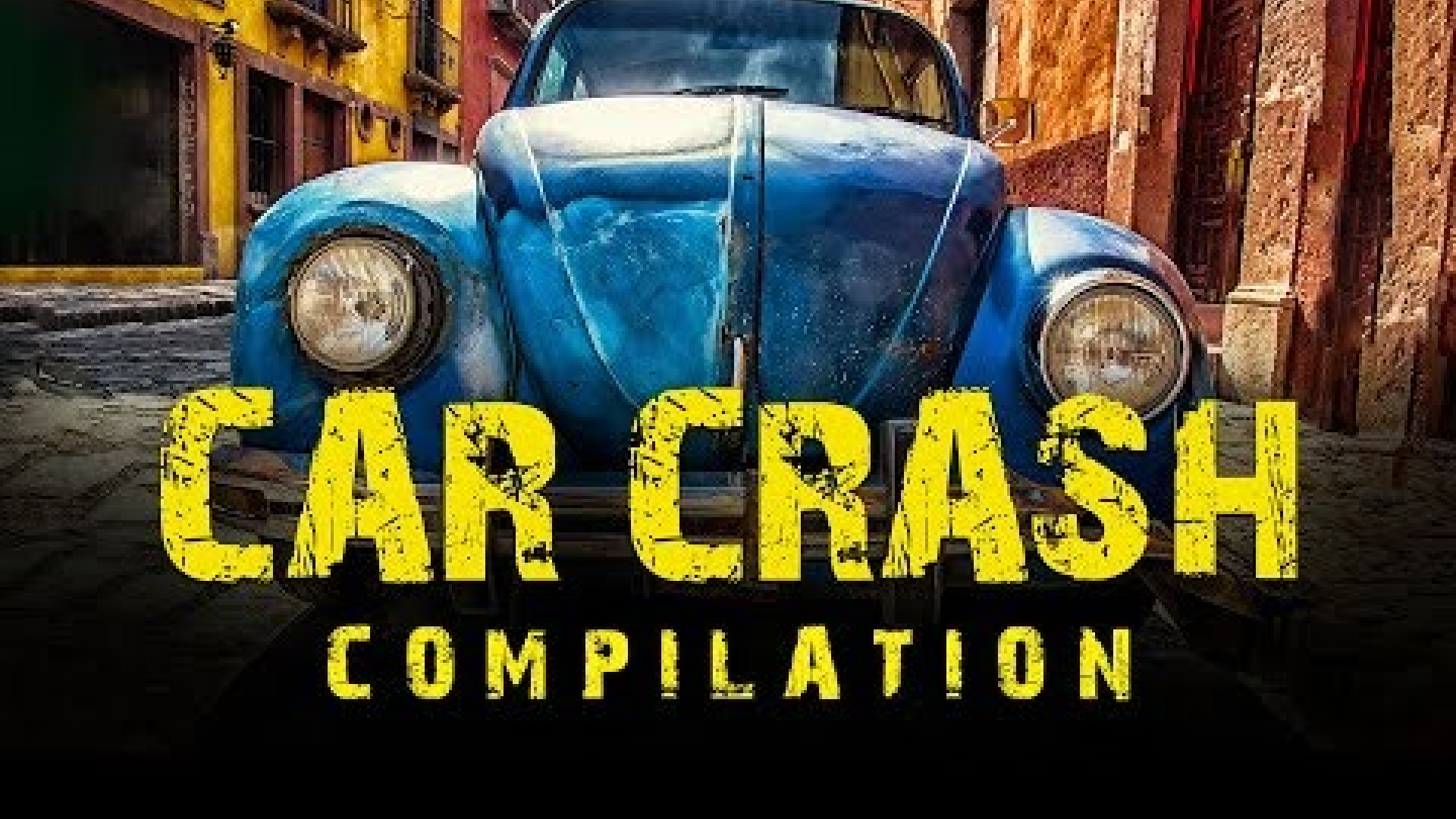


AirGuard

Protect your life, and your car!


CAR CRASH
COMPILATION

The Problem

Do you know about accidents?

- Approx. 1.35 Million people die in road crashes every year
- 3,700+ people lose their lives on the road every day
- An additional 20-50 Million suffer non-fatal injuries, often resulting in long-term disabilities.

=> Internal vehicle protection systems are insuffisant.

Flexibility

Plug & Play

Efficiency

AirGuard

Our Solution

An airbag solution that, in case of an unavoidable collision, protects the lives of the car's passengers, minimizes the damage inflicted on their cars, and notifies the emergency services immediately.

AirGuard

Technical Feasibility

8x 3D ultrasonic echolocation sensors for a 360° close-range surround view

01

02

Airbag containers on each side of the vehicle

03

Toposens Processing Unit

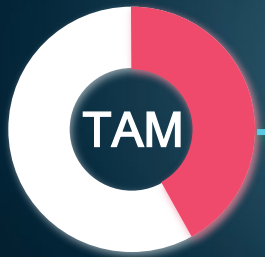
04

SIM808 GPS GSM-GPRS Module: Immediate call to emergency services

AirGuard

Market size

1.446 Billion

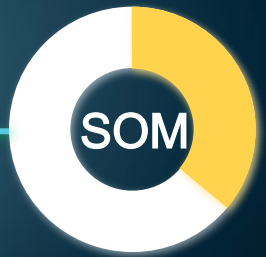


Passenger cars in circulation worldwide (2022)

50 Million

Passenger cars in circulation in Germany + Tunisia (2022)

2.7 Million



Passenger car sales in Germany + Tunisia in 2021

AirGuard

Inbound Marketing Strategy

Regulatory Standards

Our product will be tested and approved according to the:

- Regulation No 114 of the Economic Commission for Europe of the United Nations (UN/ECE)
- ISO 12097-2:1996 Road vehicles — Airbag components — Part 2: Testing of airbag modules

AirGuard

Milestones

AirGuard Versions

Basic

Protect the car's Front + Right Side + Left Side

€ 1199

+€ 299 Install Cost

Standard

Protect the car's Front + Left Side + Right Side + Roof

€ 1499

+€ 399 Install Cost

Max

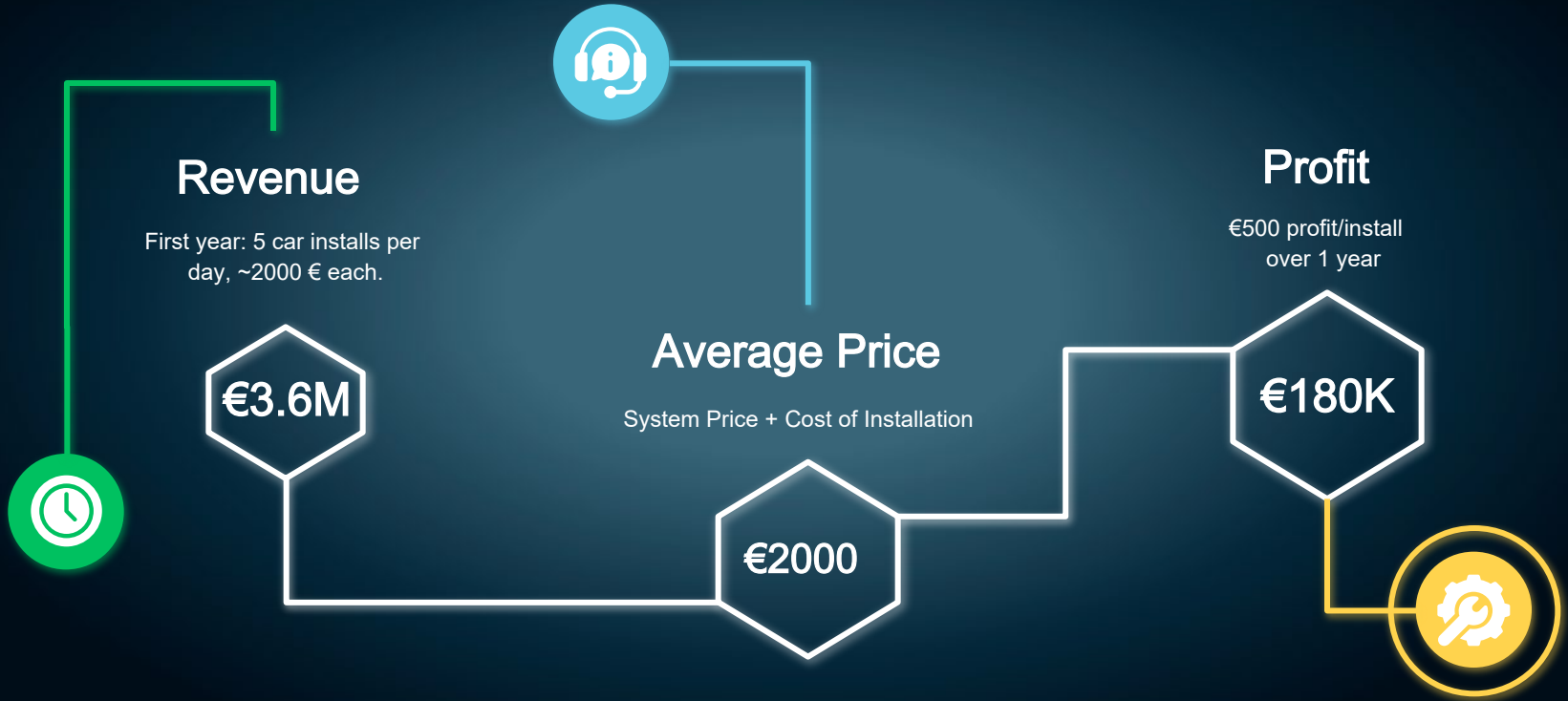
Protect the car on all sides

€ 1999

+€ 499 Install Cost

AirGuard

Business Model



AirGuard

Financing

01 Own Funds

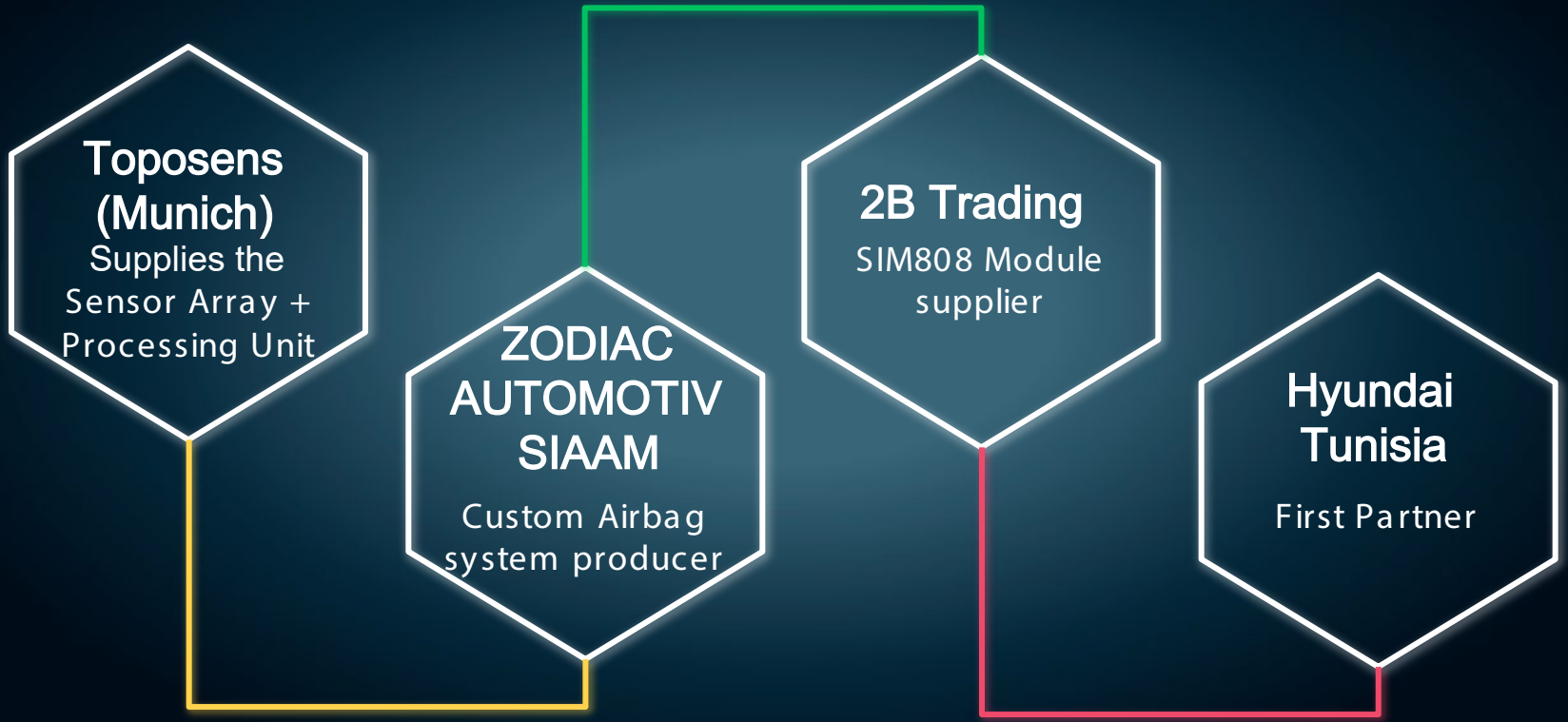
02 Incubators

03 Accelerators

04 Investors, Business Angels

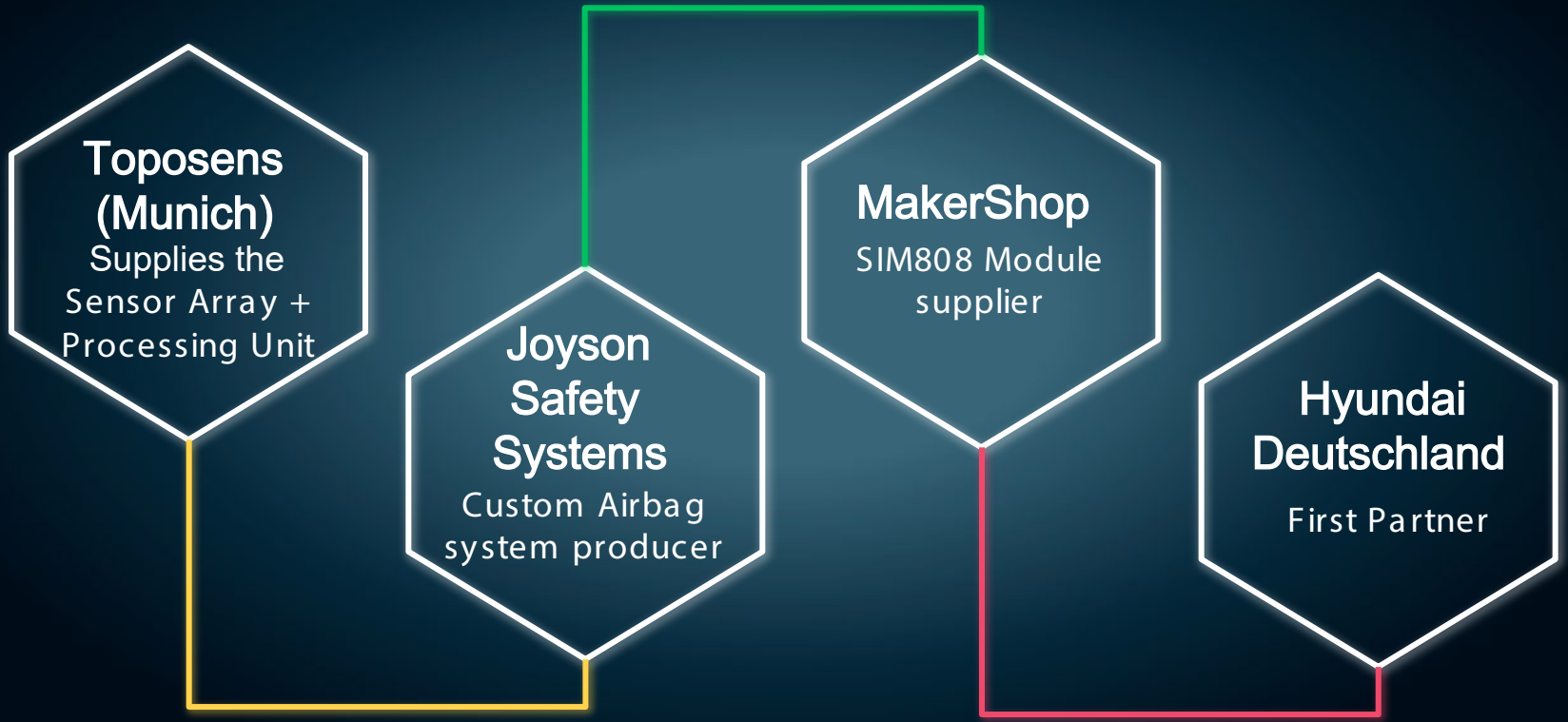
AirGuard

Our suppliers & partners in Tunisia



AirGuard

Our suppliers & partners in Germany

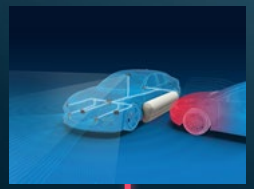


AirGuard

Competitors

ZF Friedrichshafen AG

Each side sill packs one airbag that runs the full length of the doors.



Volvo

An external airbag when it fitted one between the hood and windshield on the V40

Airguard is more flexible, more efficient and cheaper

Our team

AirGuard

Elyes Khechine

Industrial Computing & Automation Student

Nawres Arfaoui

Renewable Energy Engineer

Sarah Manai

Electronics Engineer

Malek Sghaier

Mechanical Engineering Student

Rachida Jaziri

Industrial Engineer

Reach out to us for more!

Contact:
elyes@khechine.tech