



SCRAMBLUX

**THE NEXT LEVEL OF LiDAR
TEST AND CALIBRATION**

- ...REAL WORLD ENVIRONMENT
- ...SMALL FOOTPRINT
- ...ULTRA FAST

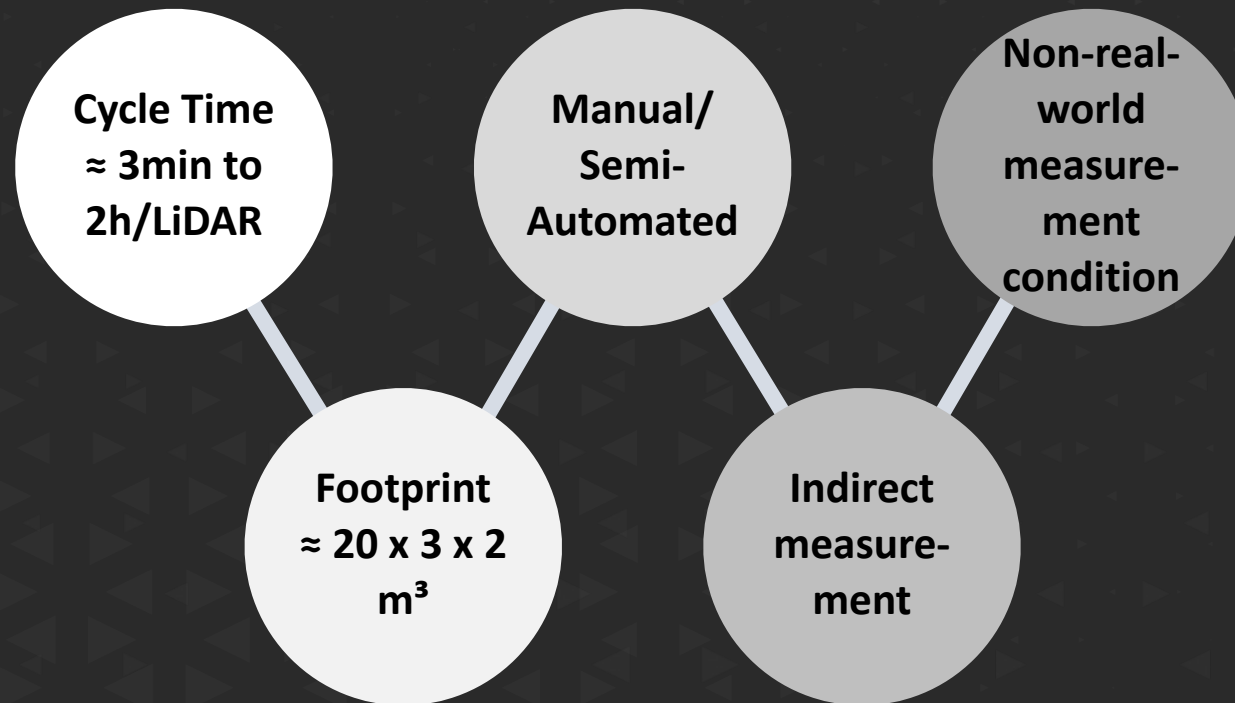


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The Problem

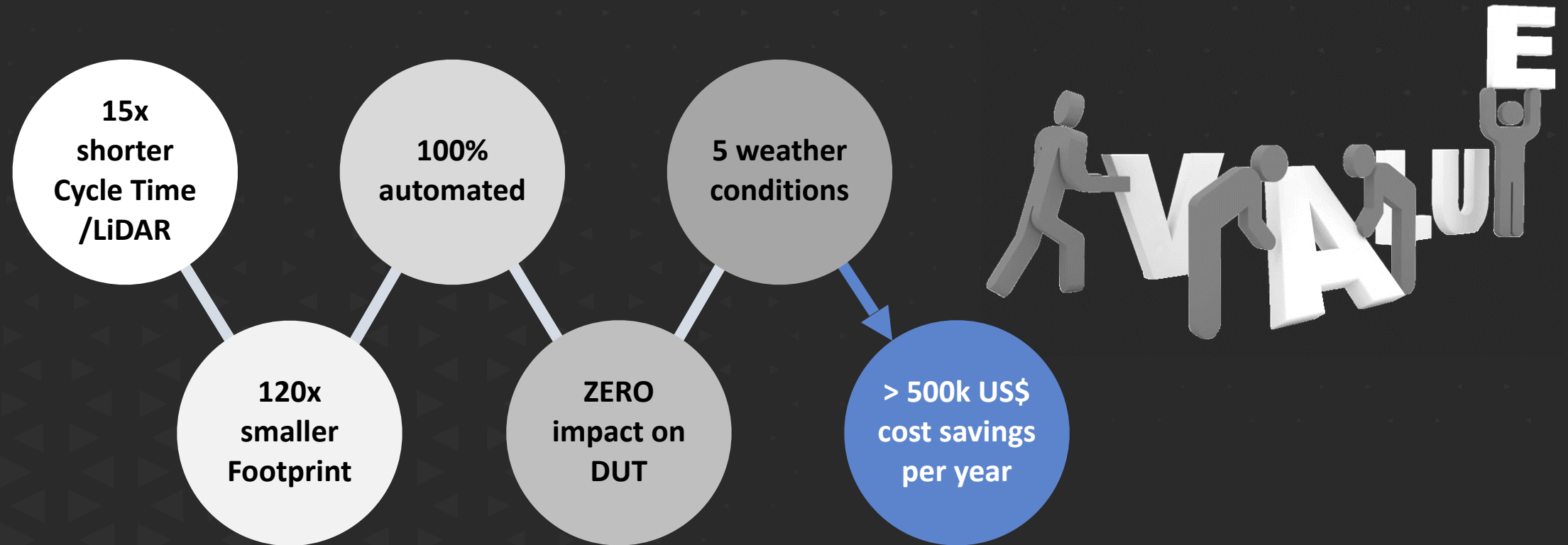
Test and Calibration of LiDAR is a bottleneck

Today's test and calibration solutions are not standardized and mass-production ready...



The Solution

The Beam Scrambler offers our customer major value propositions which leads to significant cost savings and a return of investment within the shortest possible time ...



The Addressable Markets

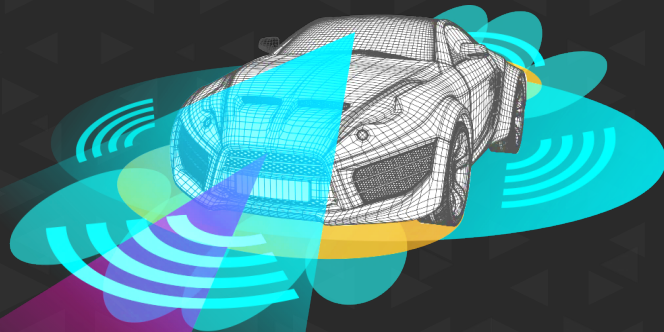


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Mobility / ADAS

TAM 2024

\$346M / CAGR 94%



Robotics / Robotic Cars

TAM 2024

\$312M / CAGR 32%



Logistics / Industry

TAM 2024

\$267M / CAGR 19%



The Use Cases and Business Strategy

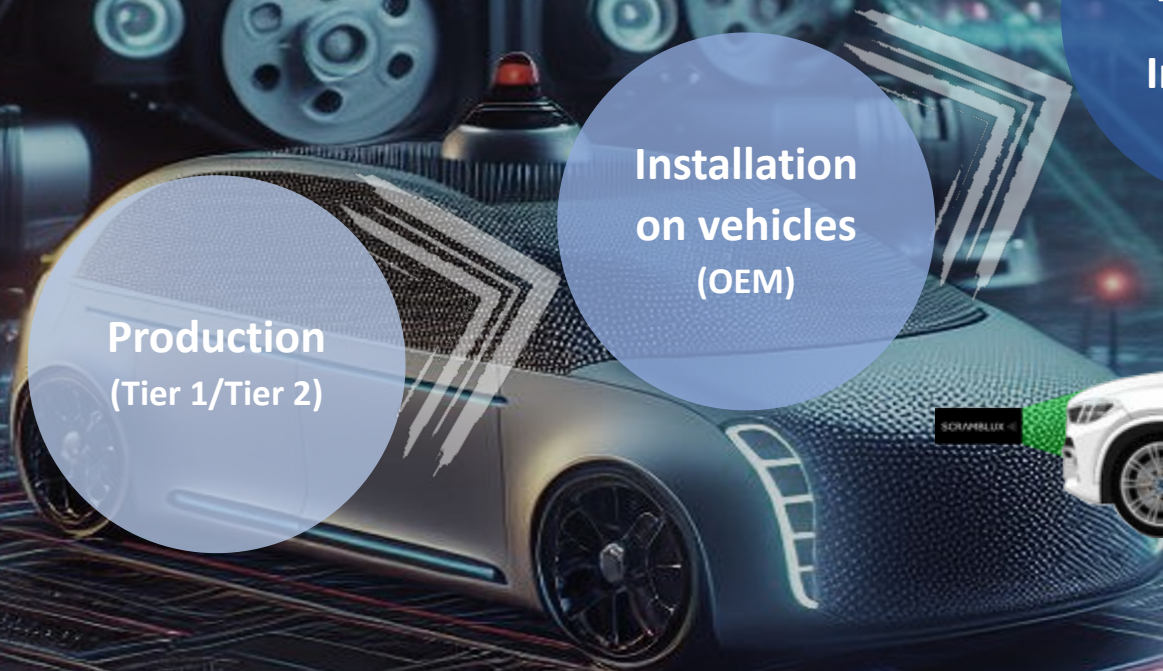
SCRAMBLUX Beam Scrambler

It will offer our potential customer a groundbreaking opportunity over the entire product lifecycle with its high-speed testing, exceptional measurement capabilities, compact footprint and flexibility in...

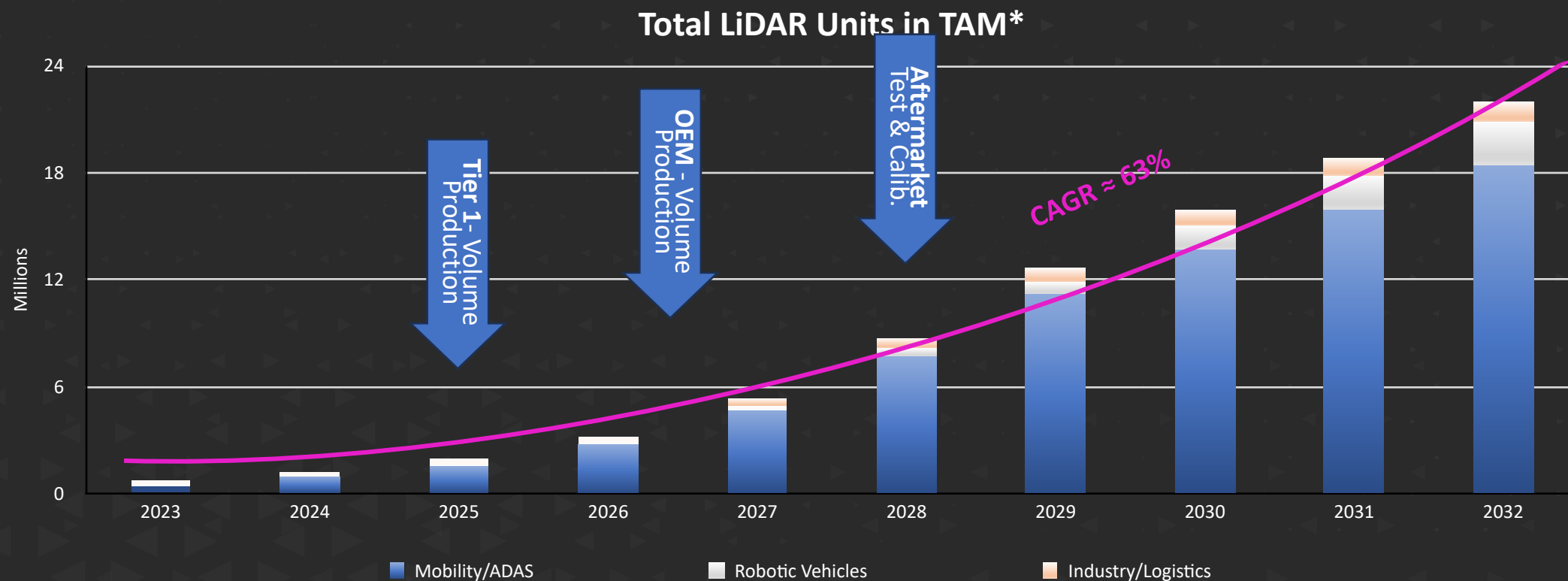
Production
(Tier 1/Tier 2)

Installation
on vehicles
(OEM)

Aftermarket
and Periodic
Technical
Inspection
(PTI)



The Addressable Market Forecast



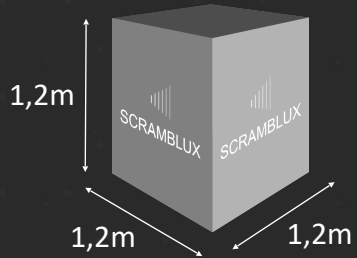
*Source: YOLE Development - LiDAR for Automotive and Industrial Application, 2023



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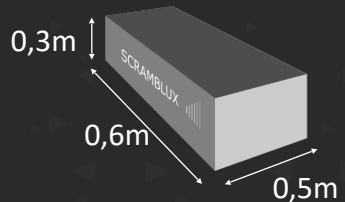
The Product Roadmap

SCRAMBLUX BeamScrambler



ALPHA

- Prototype System
- Production Line Ready



COMPACT

- Compact System
- Final Assembly Line Ready
- Lower Cost
- Ready for Aftermarket Testing

2024

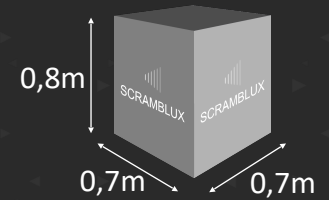
2025

2026

2028

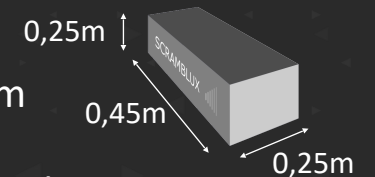
ONE

- Production System
- Optimized for Production Line
- Extended Features
- Stand-Alone Development System



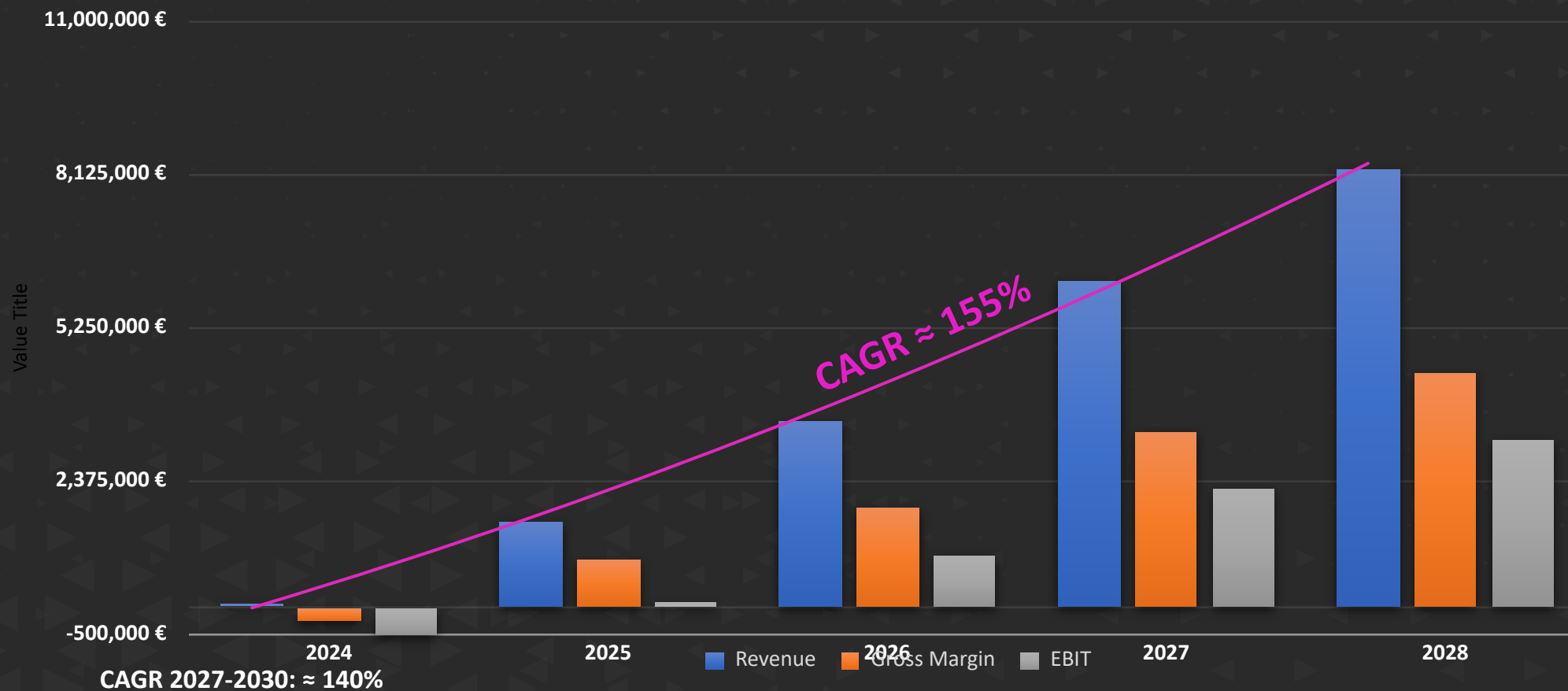
X

- Ultra-Compact System
- Handheld
- Optimized for Aftermarket
- Cost optimized for Aftermarket





The Financial Plan (4 Years)



The Team



CEO/FOUNDER



Simon Viets

Simon holds a Diploma in Microsystems Engineering and is working for more than 15 years for the mobile phone and automotive industry, focussed on optical metrology and micro-assembly. Before he worked at TRIOPICS, Aei(ASMPT) and ficonTEC. Simon founded SCRAMBLUX in June 2022.

CTO/CO-FOUNDER



Dr. Mirvais Yousefi

Mirvais has over two decades of experience at the top level of his field. He has led technology teams at TNO, Huawei, and ficonTEC and established several labs. He joined SCRAMBLUX in June 2022. He is passionate about technology, lasers and especially automation and 3D Imaging using sensor fusion.

LEAD-R&D Engineer



Dr. Max Sundermeier

Max has a background in mechanical engineering and optomechanical design for automotive application. During his Ph.D. he led a research group involved in automotive headlamp and lidar design. He joined SCRAMBLUX in May 2024.

The Partner



Automation Partner
Platform Integration



Development Partner
Physical proof of concept

ANGEL INVESTOR



OEM End-Of-Line Partner
Integration Testing



PTI Partner
Aftermarket Testing



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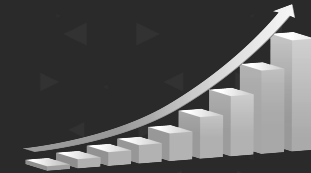
The Ask



SCRAMBLUX will enable automated LiDAR mass-production



We are responding to a market pull / Customer requirements



Our unique, patented technology is scalable

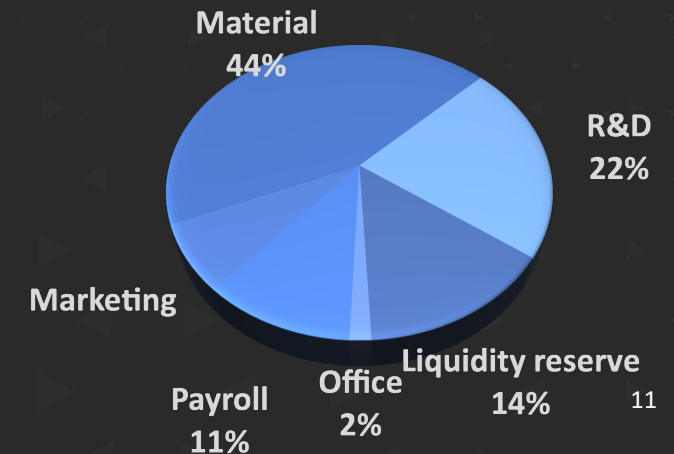


We are searching for Partners and Investors



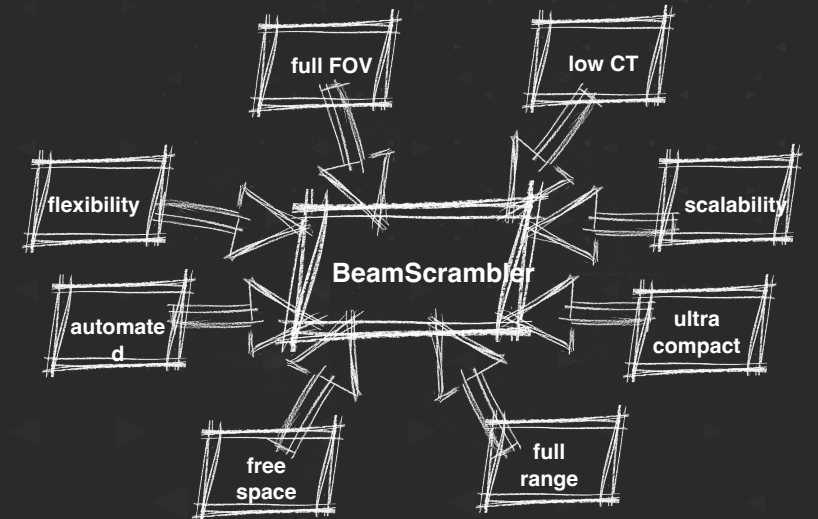
We are initiating a 1.000.000 € invest round

Capital requirement 2024/25
approx. 1.000.000 €



The Summary

- We have solved the biggest challenges in LiDAR EOL Testing: real world 4D LiDAR test targets
- Our solution is ultra-compact, ultra-fast, fully scalable and suitable for all LiDAR types
- A single measurement provides data on the full FoV of the LiDAR
- How can we help to make YOUR solution successful?





SCRAMBLUX

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