SCRAMBLUX

THE NEXT LEVEL OF LiDAR TEST AND CALIBRATION

Problem - Test and Calibration of LiDAR is a bottleneck

Today's **test** and **calibration** solutions are **not standardized, mass-production ready** and **floor space consuming**

Cycle Time	≈ 3min to 2h/LiDAR
Footprint	> 20 x 3 x 2 m³
Manual/Semi-Automated	
Indirect Measurement at discrete FOV and Range only	
Non-Real-World Measurement Condition	

Solution/Value Proposition - The SCRAMBLUX Beam Scrambler

We have invented an **all-new**, LiDAR **technology independent, ultra-compact, fully automated** and **ultra-fast** solution for **test** and **calibration**

15x Shorter Cycle Time/LiDAR	≤ 10sec/LiDAR
120x Smaller Footprint	≤ 1m²
Fully Automated	cost savings >200k € p.a.
Direct, Full FOV and multiple Range Measurement	
Enables Real World testing (Snow, Fog, Rain, Splash, Dust etc.)	

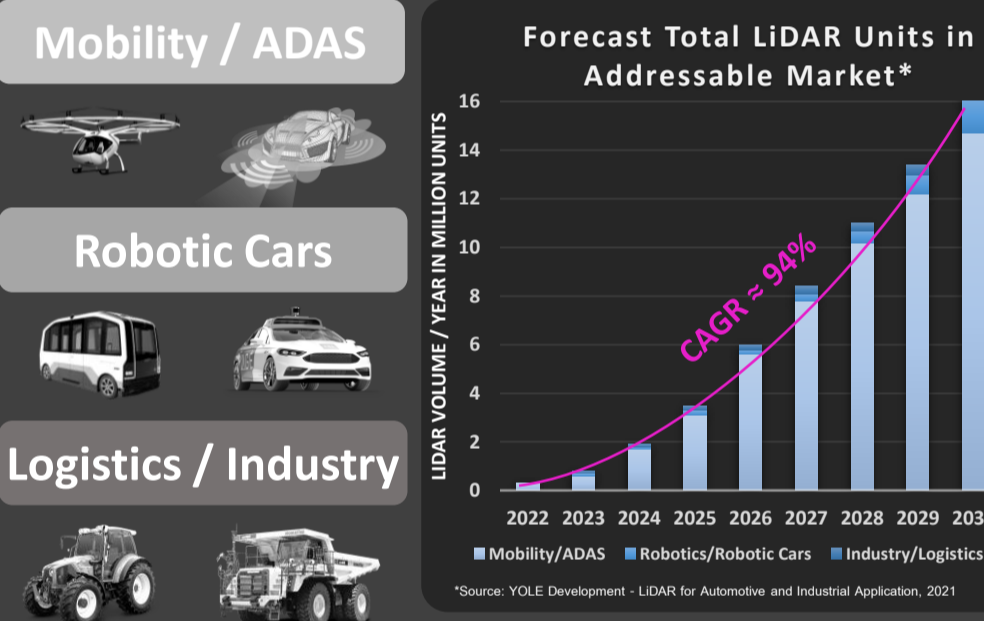### Physical Proof of Concept

First Demonstrator/Prototype
- Range simulation >25m
- Footprint 600 x 300 x 150mm³

ficonTEC powered by SCRAMBLUX

Go to Market Roadmap

✓ Proof of Concept -Simulation	November 2022
✓ Founding of SCRAMBLUX GmbH	March 2023
✓ Patent filed	April 2023
✓ Development Partner PoC	July 2023
✓ Proof of Concept – Physical	September 2023
✓ Development Partner Prototype	September 2023
Financing Round	December 2023
Prototype Beam Scrambler ALPHA	H2/2024

Addressable Market Forecast

Mobility / ADAS

Robotic Cars

Logistics / Industry

Forecast Total LiDAR Units in Addressable Market*

CAGR = 94%

LIDAR VOLUME / YEAR IN MILLION UNITS

2022 2023 2024 2025 2026 2027 2028 2029 2030

■ Mobility/ADAS ■ Robotics/Robotic Cars ■ Industry/Logistics

*Source: YOLE Development - LiDAR for Automotive and Industrial Application, 2021
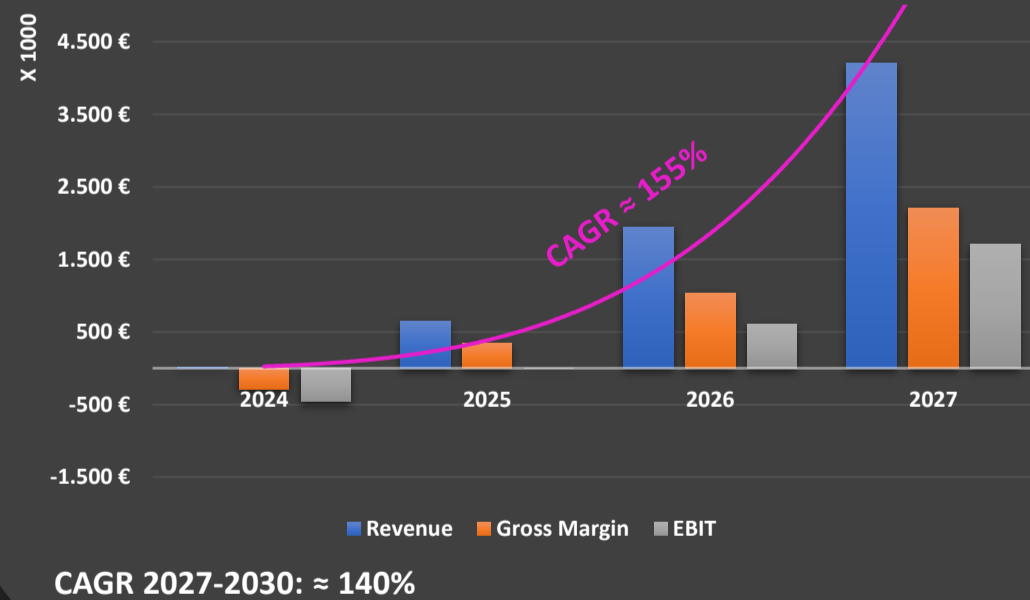
Product Roadmap

H2/2024 - ALPHA
- Prototype
- Production Line (Tier 1) Ready

2025 - ONE
- Production System
- Optimized for Production Line (Tier 1)
- Extended Features

2026 - COMPACT
- Compact System
- Final Assembly Line (OEM) Ready
- Lower Cost
- Ready for Aftermarket Testing

2028 - X
- Ultra-Compact System
- Handheld system for Aftermarket Testing
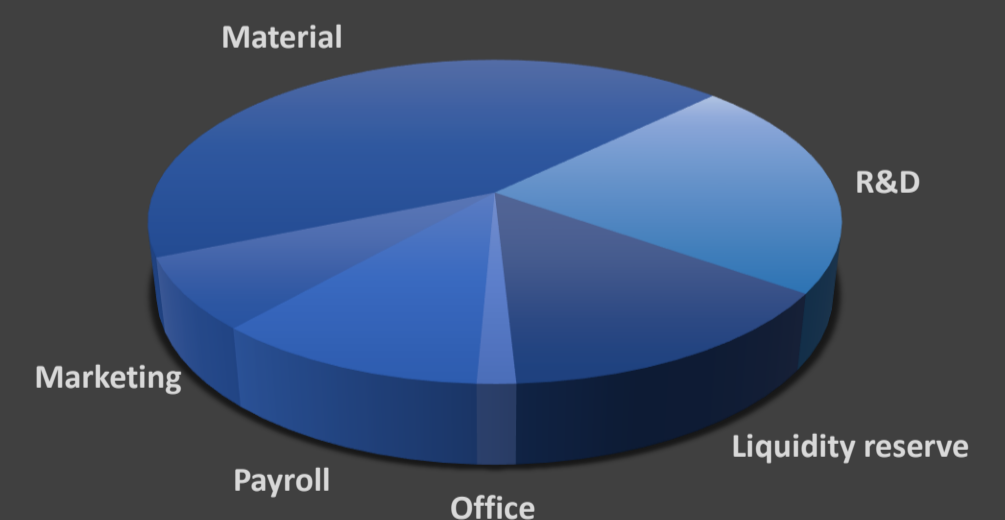- Cost optimized for Aftermarket

Founding Team

FOUNDER
Simon Viets

CO-FOUNDER
Dr. Mirvais Yousefi

Financial Plan (4 years)

X 1000

CAGR = 155%

2024 2025 2026 2027

■ Revenue ■ Gross Margin ■ EBIT

CAGR 2027-2030: ≈ 140%

Capital requirement 2024/25

approx. 1.000.000 €

Material
R&D
Liquidity reserve
Office
Payroll
Marketing

Partners

Seed-Investor
ELIAS TECHNOLOGIES INVESTMENT

Automation Partner
ficonTEC photonics assembly & testing

Development Partner
iPeG Institut für Produktentwicklung & Gerätebau - Leibniz University Hanover

Image Engineering MEMBER OF THE NYNOMIC GROUP

Customer who showed a significant interest and expressed their need of our Product:

Valeo · LUMINAR · INNOVIZ · HUAWEI · DEKRA · WAYMO · MAGNA · TÜV SÜD · HESAI · Opsys · SCANTINEL PHOTONICS · Continental · Mercedes-Benz · AEVA · robosense

Ask

- **WE** will enable automated LiDAR mass-production
- **WE** are responding to a market pull/Customer requirements
- **OUR** unique and patented technology is scalable

We are searching for Partners and Investors

We initiate a € 1.000.000 investment round