

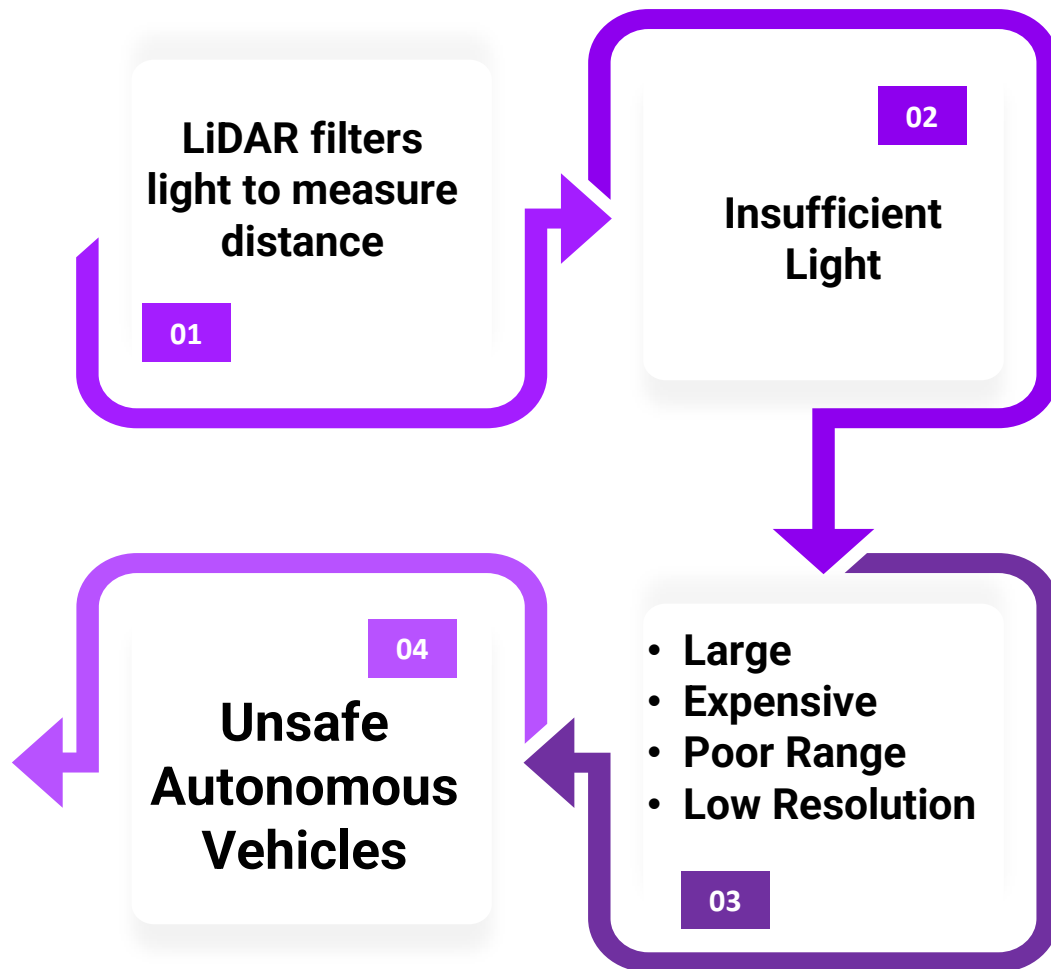


Ommatidia LIDAR

EPIC Meeting - FMCW



The Problem



The Solution

“

A novel **bio-inspired 3D sensor** that allows **continuous broad-beamed illumination**,

resulting in **affordable** sensors that provide **high resolution** and **long range**.

”



100% Angle

Broad

Collimated



Flash Cameras

OPAs

Mechanical Scanners

Pulsed

Continuous

100% Time

Market Ready

Aerospace

- Project running with ESA.
- Part of 2 Sentinel Phase A/B tenders.
- GNC/AOCS for satellites.

Industrial Metrology

- Q1 Product launch in 2021.
- Breakthrough accuracy & speed.



- 128 channels
- 1 μ m/m accuracy
- 50m range
- 20.000 pts/s



Our Sensor

- 48k FMCW channels.
- Single photon sensitivity.
- CMOS –like process.
- Photonic demodulation engine.
- Standard readout ASIC.

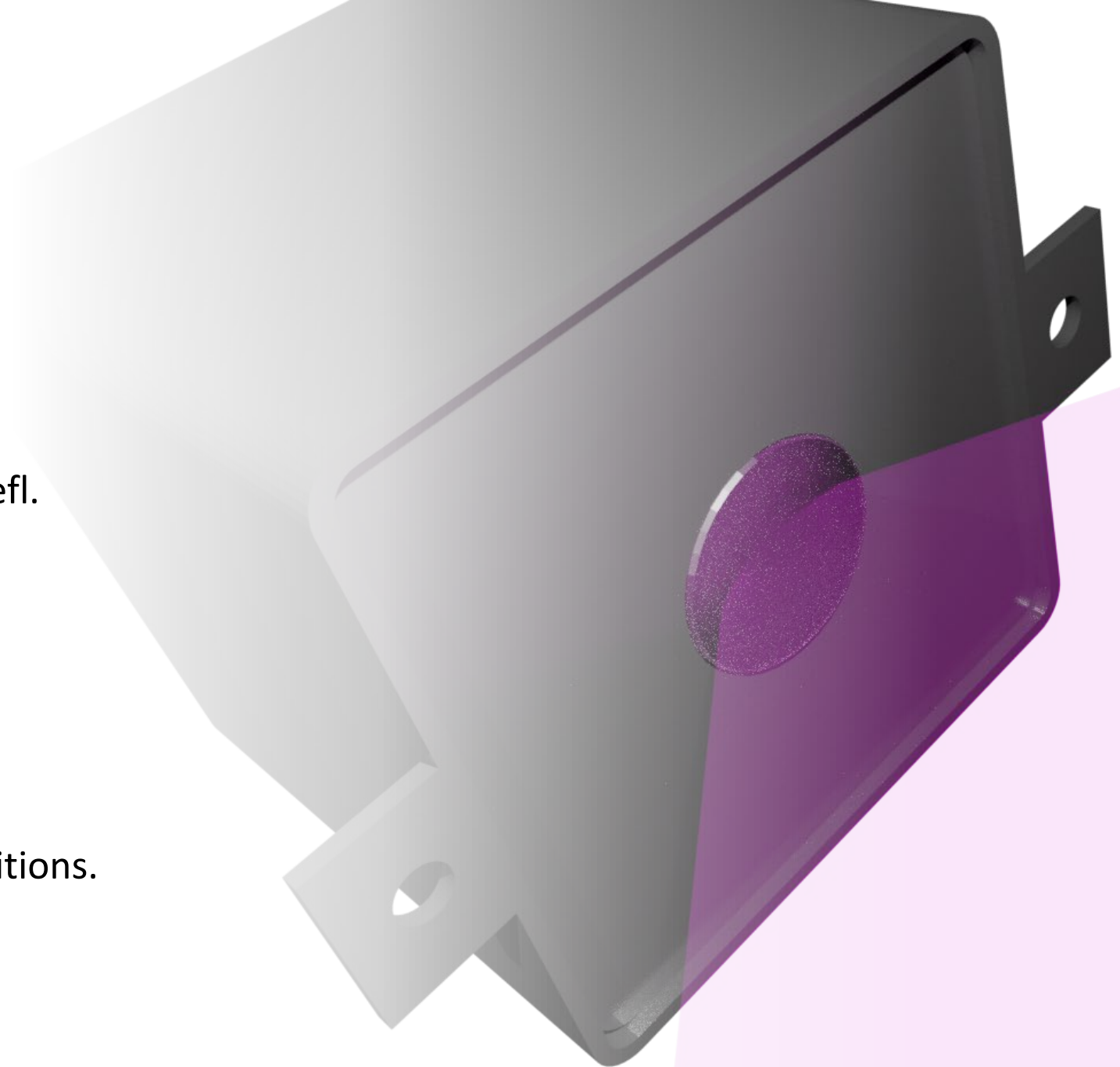


Our Light Source

- 1W power.
- 16 outputs.
- Intrinsically eye safe.
- Proprietary design.
- System resolution enhancement.

Ant Series

- Long range: 300m @10% refl.
- Fully solid state.
- 40Mpts/s.
- 120x40° coverage.
- Zero mutual interference.
- Insensitive to lighting conditions.



Leadership

Balanced leadership with >65 yr. experience in technology ventures



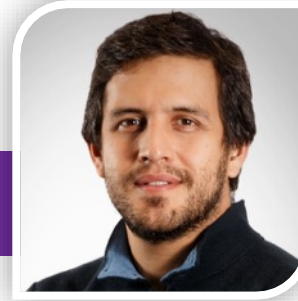
Eduardo Margallo
CEO

- >12 yr. as startup CEO.
- MedLumics co-founder
- Raised €40M VC funding.
- PhD - MBA.



Nuria González
FINANCE

- 20 yr. financial planning & control
- INDRA and various SMEs.
- ABN Group co-founder
- Master in International Trade.



Jose Luis Rubio
SOFTWARE & AI

- 15 yr. in imaging algorithms for photonics-based systems.
- MedLumics co-founder
- PhD Telecommunications



Grégory Pandraud
RESEARCH

- 20 yr. in photonic technology.
- Leadership roles at Bookham, Opsitech & TU Delft
- Ph.D. optoelectronics

WHAT WE OFFER

Breakthrough Technology

Market Ready

Solid IP Position

Proven Leadership



WHAT WE SEEK

Industrial Partners

Automotive

Other Markets