



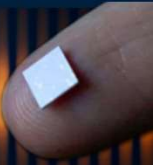
"Combining the worlds of traditional CMOS RGB and hyperspectral imaging on a single chip, creating more than 1000 colors per pixel"



Mission

To improve efficiencies, quality of life and sustainability profiles of businesses and individuals, by providing the best in-class fully integrated on-chip hyperspectral imaging sensors.

Insights Beyond The Visible™



Problem, Detection, Identification & Classification

The growing need for higher spatial & spectral resolution & bandwidth:



Imaging based applications need more image data.



Market

\$ 25 Billion CMOS Imaging sensor Global market
CAGR 6-9% 2022-2027



\$ 18 Billion Hyperspectral systems Global market
CAGR 10-12% 2022-2027



Industry

- Handheld devices
- Security & Surveillance
- Military
- Agriculture
- Remote sensing
- Quality control & Preventive maintenance
- Environmental control
- Medical diagnostics
- Automotive
- Metaverse & XR



Solution

Smart on-chip* CMOS based hyperspectral imaging sensors

Removing current hyperspectral technology adoption hurdles:



Our sensor technology enables:

- Totally new use-cases & applications
- Increased versatility and efficiency
- Cost-effectiveness,
- Improved accuracy, precision, speed and performance
- Enhanced image quality
- Measurement & imaging use-cases

*No on-chip hyperspectral sensor available on the market



Product & Patents

- The material science breakthrough has been published in Science Magazine.
- Working proof of concept sensor and companion software (TRL4 ->5).
- Three PCT patents filed, August 2023, Priority date August 2022



Equity Need 5M€ for 2 years

- Current funding 700k€, Research to Business (R2B) Business Finland.
- New capital need, H1/2024

Salaries & Benefits, 12%

Rent & Overhead, 6%



Product development, 82%



Why Us?

Our team expertise >50years CMOS & nanomaterials based hyperspectral imaging sensor design & fabrication, nanotechnology and photonics, serial entrepreneurship, business development, sales & marketing.



Our Stellar TEAM of Founders

Andreas Liapis, CTO, Photonics Expert
 Faisal Ahmed, COO, Device fabrication Expert
 Mikael Westerlund, CEO, Entrepreneur & Business Development Executive

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Proof of Concept

Incorporation

SEED Round
Q1/2024

SERIES A Round
2026

MVP commercial launch Megapixel sensor

SERIES B Round
2028



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We are leading the imaging technology disruption, bringing hyperspectral imaging capabilities into your palms, drones, cars and industrial equipment.