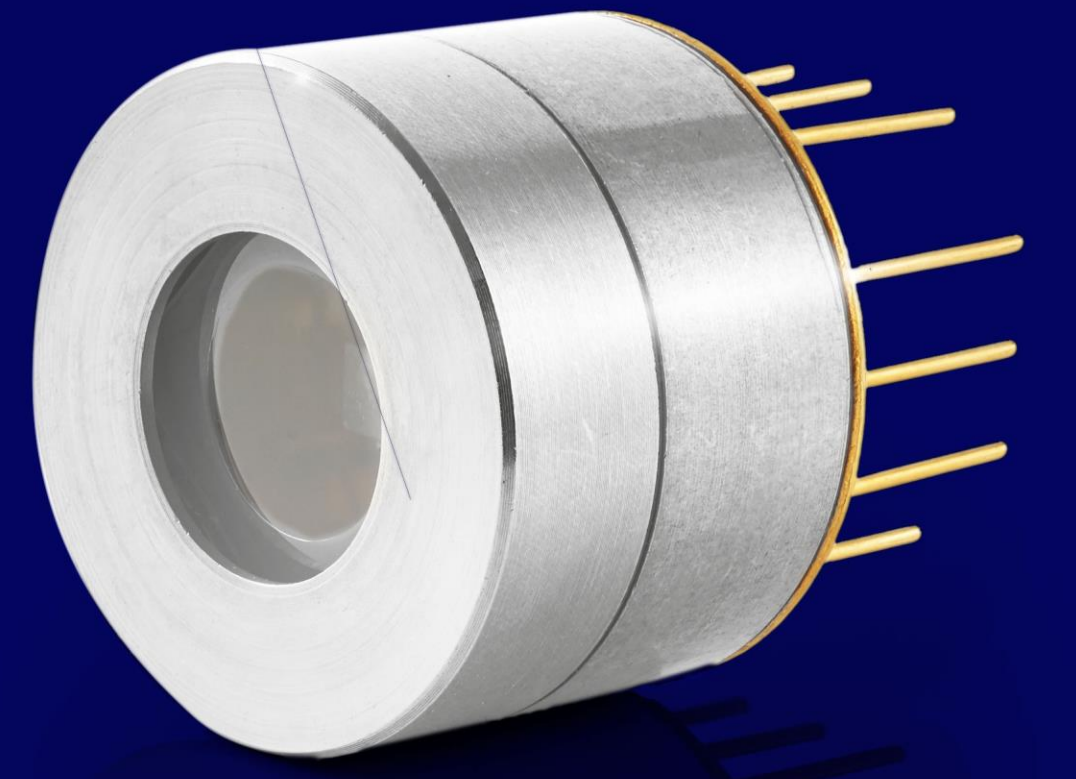
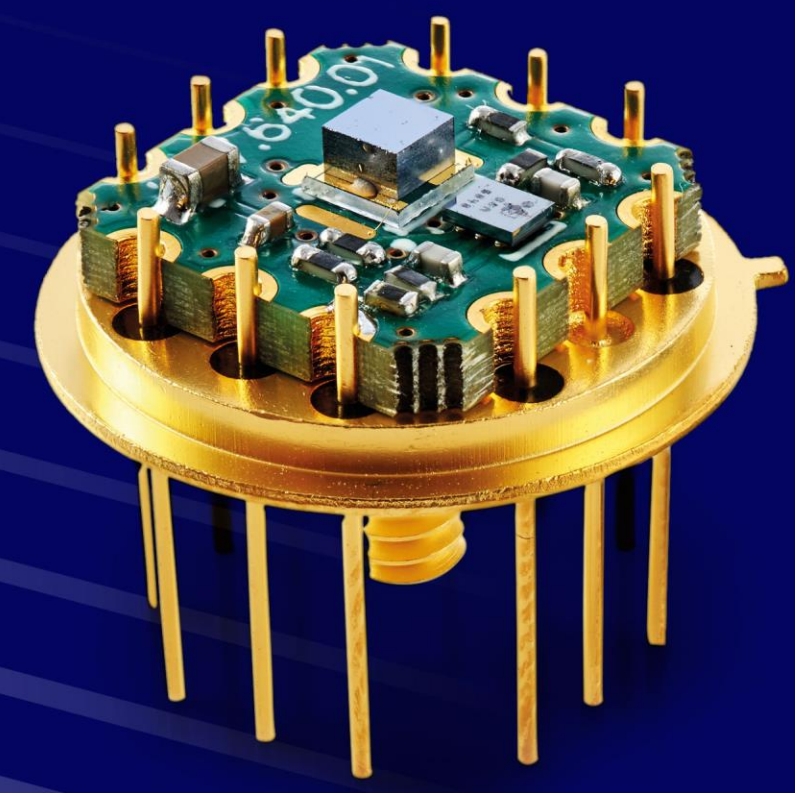
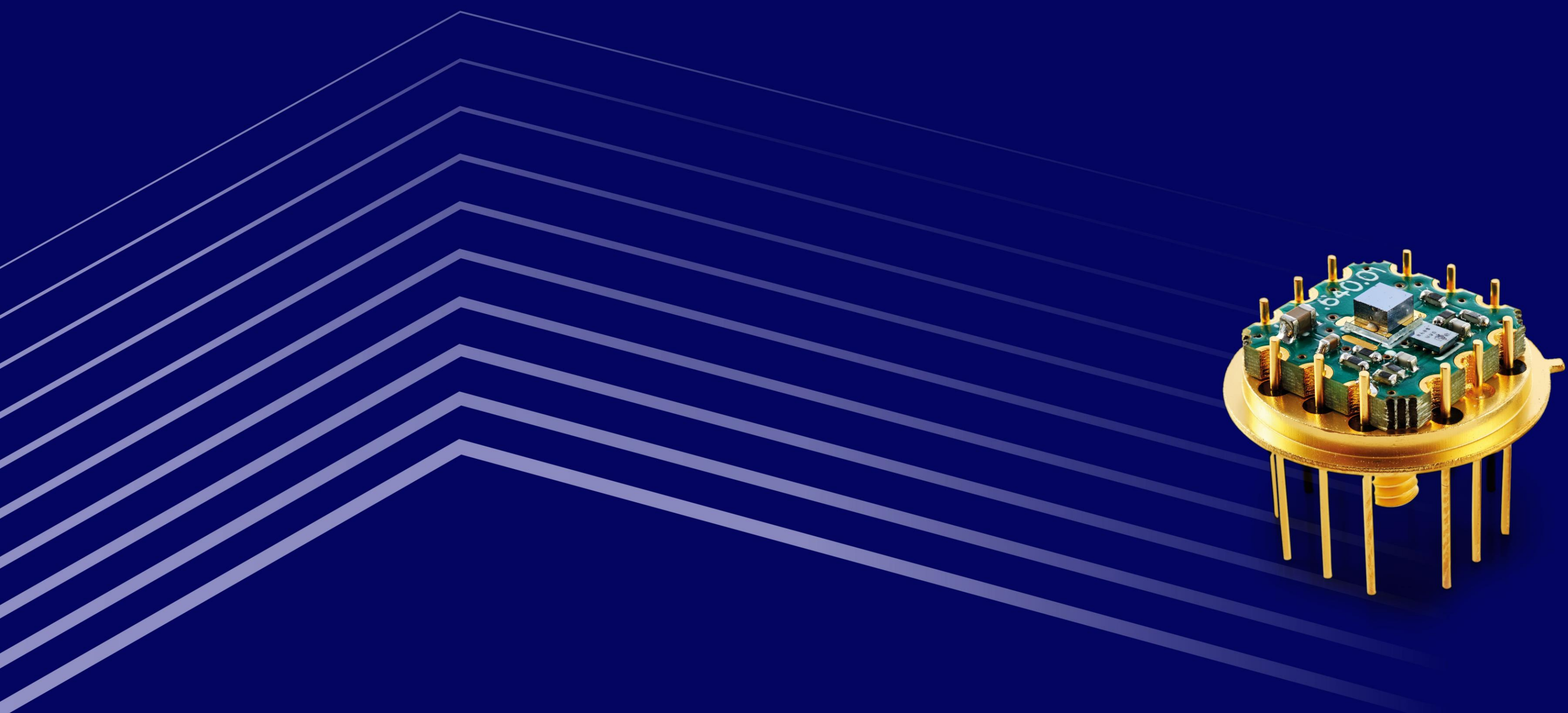


THE LEADER
IN IR TECHNOLOGY

VIGO
PHOTONICS



PHOTONICS DEVICE MANUFACTURER FROM POLAND

WHO WE ARE?

VIGO Photonics S.A. is a photonic semiconductors company.

We are the sole European provider of photon mid infrared detectors, competing with Asian & US companies.

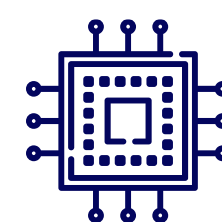
We produce the high-quality epiwafers for photonic and microelectronic applications based on advanced compound materials (III-V & II-VI).



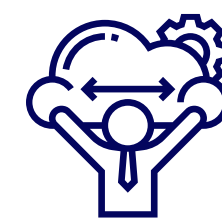
35 YEARS on the market



6500 m² production area



UNIQUE TECHNOLOGY - Own independent technology developed in vigo system.



CUSTOM FIT SOLUTIONS - Flexibility to tailor and test solutions that respond to customer requirements.



Epiwafers



Infrared photon detectors



Infrared modules

WHY TO CHOOSE VIGO PHOTONICS



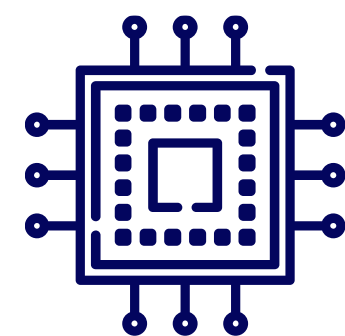
35 YEARS
ON THE MARKET

220
EMPLOYEES

100,000
CAPACITY
OF DETECTORS/YEAR

10,000
CAPACITY
OF EPI-WAFERS/YEAR

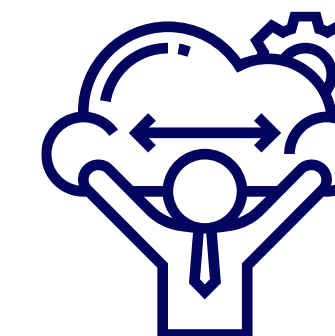
6 DETECTORS
ON MARS



Unique technology – 35 years of innovation and continuous improvement of the company's original concept



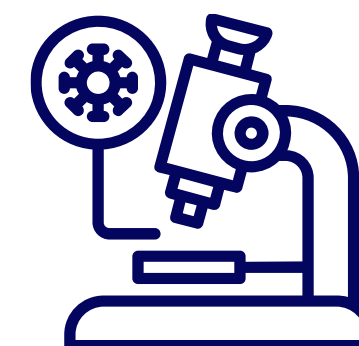
Value for money – the best quality to price ratio



Custom-fit solutions – flexibility to tailor and test solutions that respond to the most demanding customer requirements (e.g. NASA, military industry)



R&D capabilities – world-class scientific R&D expertise with access to and affiliation with major academic research institutions (e.g. MIT, Princeton, Fraunhofer Gesellschaft)



Research projects – coordinator of and commercial partner in a number of national and EU research projects (e.g. Horizon 2020, POIR)



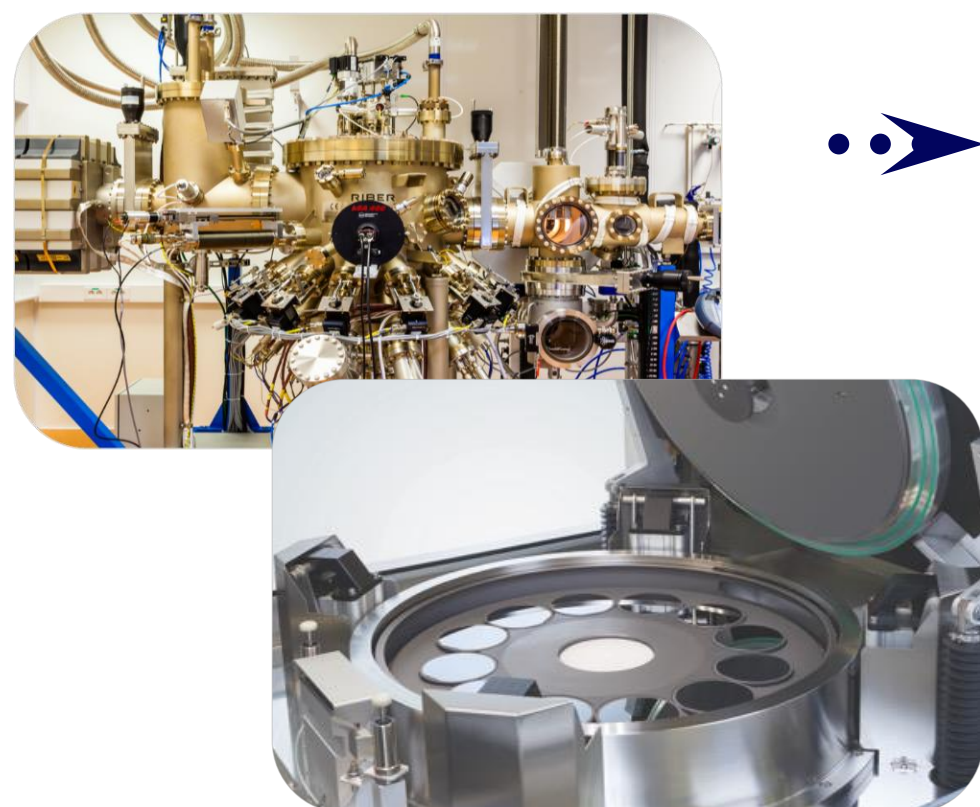
Highly educated and experienced personnel – friendly atmosphere promoting creativity and innovation 230 employees (1 professor, 14 PhDs and >80 engineers),

COMPLETE IN-HOUSE VALUE CHAIN



COMPLETE FRONT-END AND BACK-END PRODUCTION LINE FOR INFRARED PHOTONIC DEVICES (Near IR to Long Wavelength IR)

1. EPITAXY



II-VI and III-V epiwafers for photonic and microelectronic devices (QCL and VCSEL lasers, diodes, quantum dots, microelectronics)

2. PROCESSING



MCT and III-V detector chips
VCSEL chips

3. DETECTORS PACKAGING



Automated assembly, packaging and characterisation of complete infrared detectors.

4. INTEGRATION WITH ELECTRONICS



Detection modules with application specific electronics.

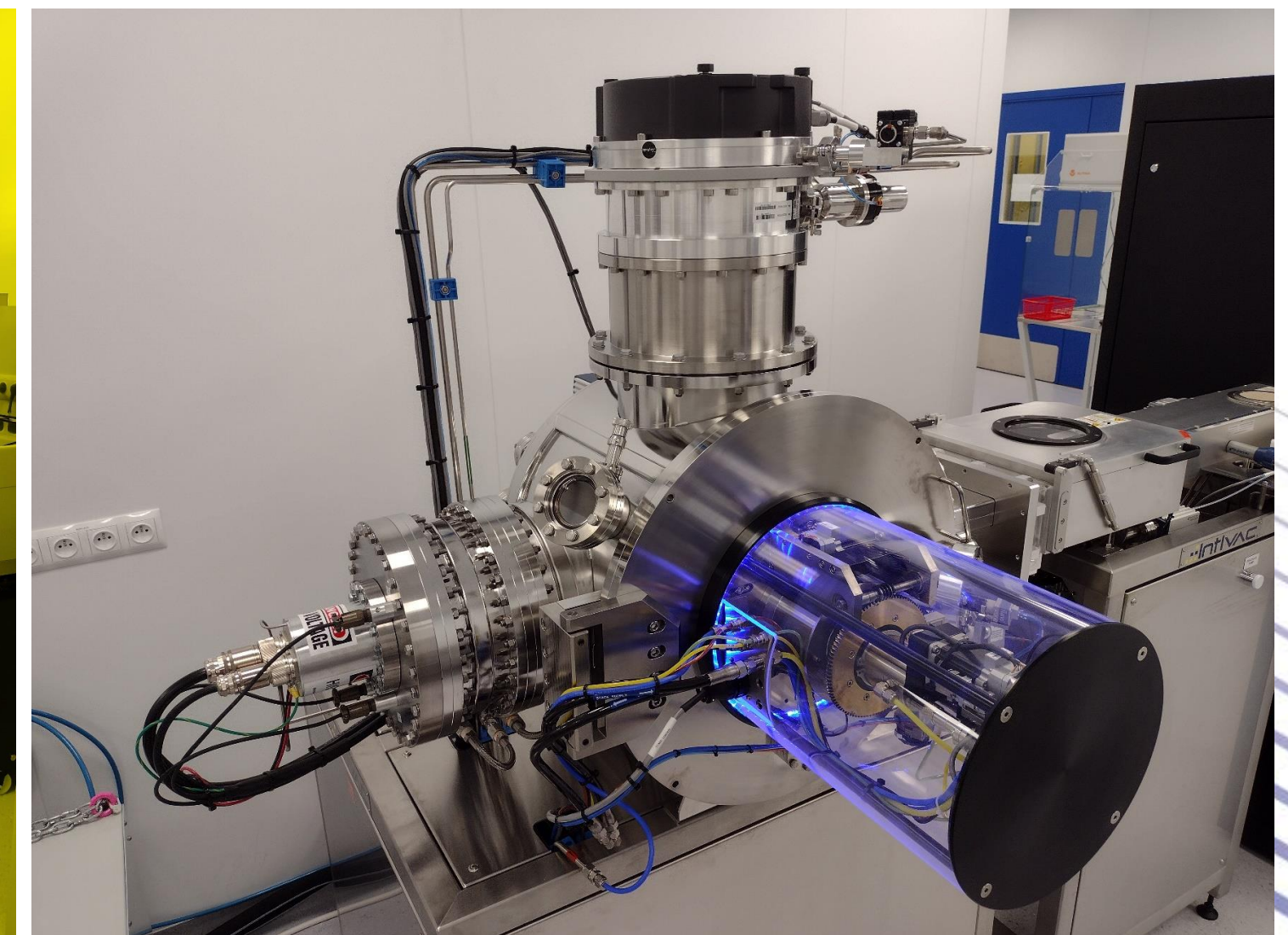
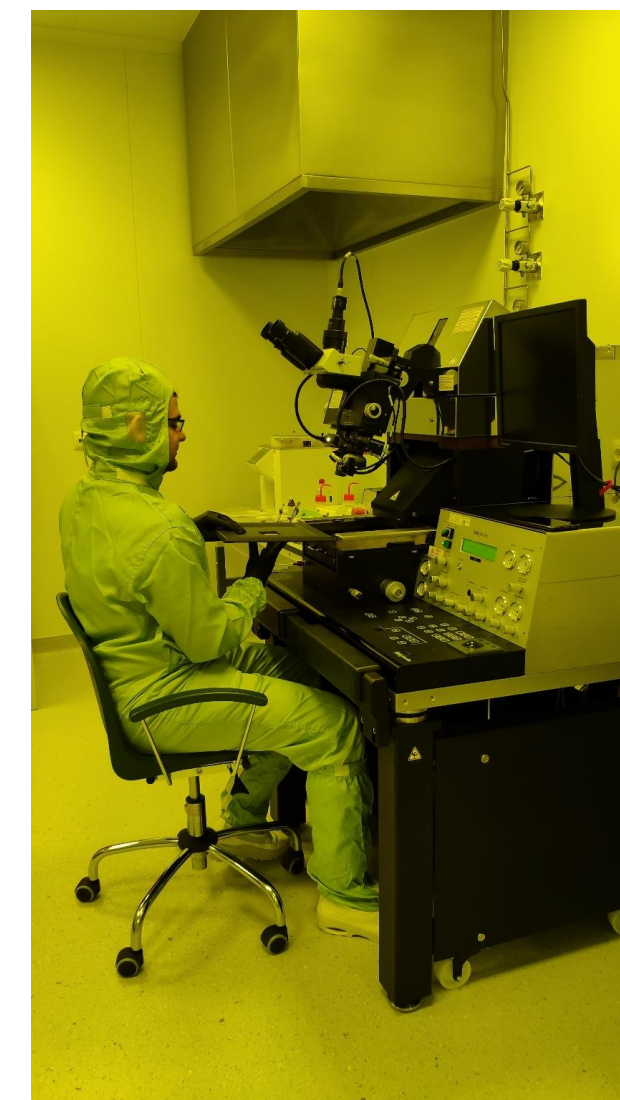
PRODUCTION AND R&D CAPABILITIES

MODERN AND AUTOMATED PRODUCTION LINE

- Production capacity of 100,000 detectors per year.
- Control of product parameters at every stage of production.
- Possibility to create a production station dedicated to a special, unique product.
- Production independence and our own complete production line.

OWN RESEARCH AND DEVELOPMENT FACILITIES

- State-of-the-art laboratories and devices for the creation of semiconductor layers and photonic solutions.
- Clean room laboratories (ISO 6 cleanliness class).
- World-class experts and cooperation with the best research centers around the world.
- Constant investments in improving technology and developing new solutions.



MWIR AND LWIR DETECTORS AND MODULES

IR DETECTORS AND MODULES

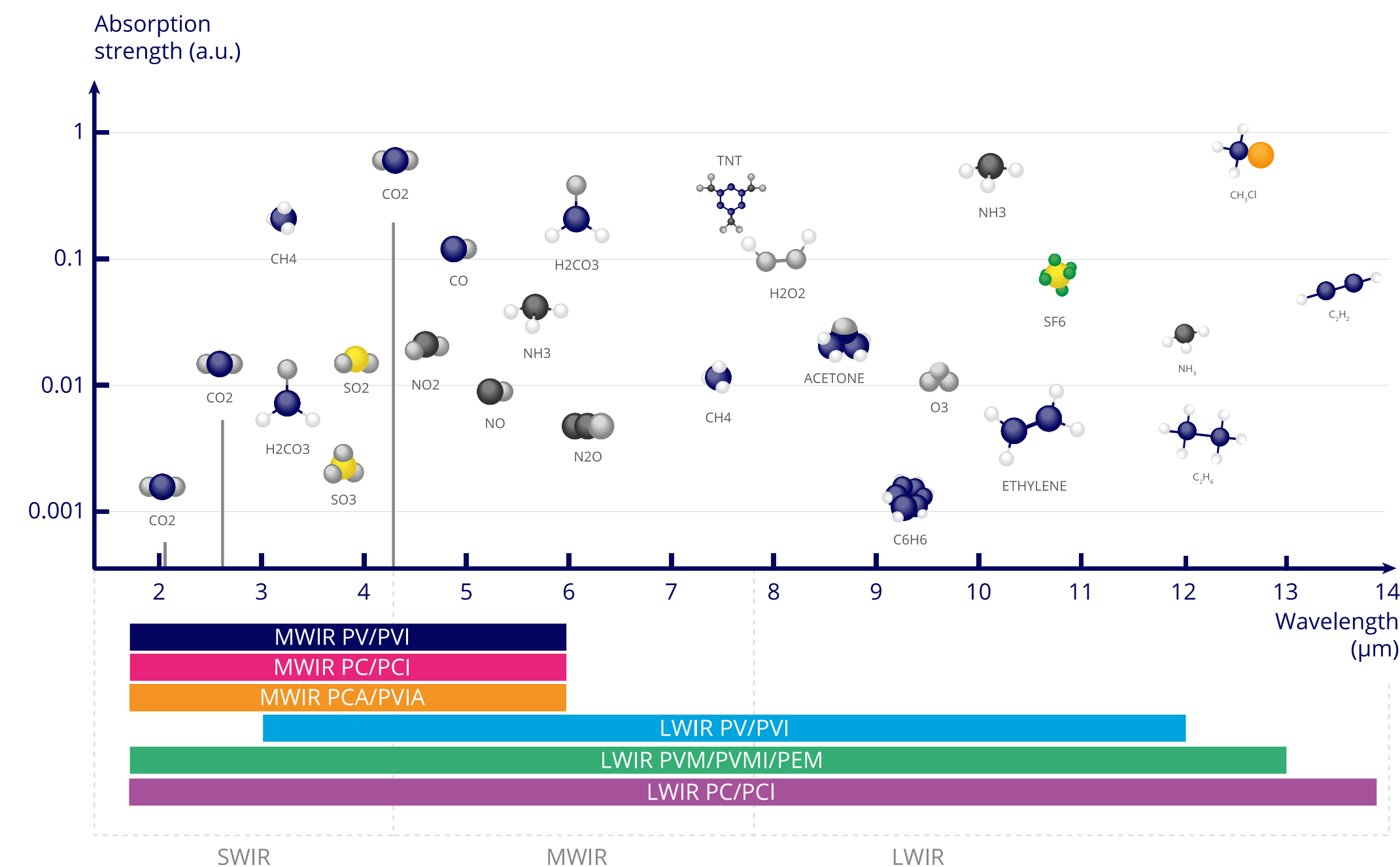
VIGO Photonics designs and manufactures HgCdTe, InAs and InAsSb detectors, dedicated electronics (preamplifiers, TEC controllers, power supplies), detection modules as well as mechanical accessories. The devices are characterised by high sensitivity in a wide spectral range from 2 to 14 μm and high speed with frequency bandwidths up to 1 GHz.

INFRARED DETECTORS

- MCT and III-V material based
- 1-16 μm spectral range,
- Uncooled and TE cooled devices
- Unique immersion lens technology

DETECTION MODULES

- Less vulnerable to over-bias, electrostatic discharges and electromagnetic interferences
- Improved HF performance
- Output signal standardization
- Effective heat dissipation
- Miniaturisation
- Cost reduction





VIGO
PHOTONICS

LET'S CREATE
THE FUTURE TOGETHER!

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