

Satellites
Transversal competencies

PHOTONIS

Photonis is a global manufacturer of electro-optic solutions used in the detection of ions, electrons, and photons. We develop, produce, and market innovative sensors for detecting and amplifying very low levels of light, charged particles, and radiation. Our products are used in a wide range of applications from night vision devices to analytical instruments, and even in nuclear reactors and warships. We manufacture custom detectors designed to meet your specified performance and sensitivity criteria.

COMPETENCIES & CAPABILITIES

- We innovate and engineer quality components for integration into a variety of applications such as night vision optics, digital cameras, mass spectrometry, physics research, space exploration, nuclear applications and many others.
- The R&D staff is located in factories and laboratories across the globe. We employ engineers, innovation experts, physicists, chemists and other specialists to challenge the accepted beliefs of physics, optics and electronics to advance ion, electron and photon detection technologies. These technologies further advance to bringing new and innovative products to market.



DISCOVER THE SECRETS OF THE UNIVERSE

Photonis

PRODUCTS & SERVICES

- **Space Exploration Solutions:** Our products have soared into distant galaxies and have led to incredible breakthroughs space research.
- **Nuclear Instrumentation Solutions:** Through collaborations with CEA and other agencies, we have developed a wide range of standard and custom products to monitor fission reactions and spent fuel.
- **Analytical Instrument Detectors:** We offer greater sensitivity and longer lifetime to increase the performance of your instrument.
- **Photonic Detectors:** Our award-winning products are used in various fields - from medical diagnostics to high energy particle physics research
- **Night Vision Tubes and Systems:** We design and manufacture state-of-the-art image intensifier tubes for military, space and commercial applications.
- **Digital Vision Solutions:** We offer award-winning innovations in low light CMOS technologies. From sensors to systems, we provide a wide range of options for single technology day-through-night images.

MAJOR SPACE PROJECTS & REFERENCES

Photonis has been partnering with the world's leading space agencies for decades in order to provide the highest quality detectors. Photonis is on board of: •Parker Solar Probe •GOES-S •GOES-R Orbiter •Juno spacecraft •New Horizons •ASTRO-H •MAVEN •Rosetta •Laser Megajoule •Rover module •Hubble Telescope

References:



POINT OF CONTACT

ADDRESS Avenue Roger Roncier, 19100 Brive-la-Gaillarde France

WEBSITE www.photonis.com

PHONE +33 (0)5 55 86 37 00

POINT-OF-CONTACT : Emilie Kernen - R&D Group Manager and Manager
Scientific Detectors Science@photonis.com

TURNOVER 80% Defence, 20% Science

WORK FORCE 1.000 Employees worldwide, Multi-award winning technology,
80+ Years of experience in optical imaging and particle detection

SPACE WORK FORCE 6% Annual revenue re-invested in R&D and
Innovation, 100+ Patents for Proven Technology