



# SEDI•ATI

*by* Fiber Optics Group

Bringing light into your  
custom, complex or extreme  
environment is our challenge!

SEDI-ATI, a French company founded in 1951, has been a subsidiary of FOG • Fiber Optics Group since 2023, an international group dedicated to innovation and sustainability in the field of optical fiber assemblies.

We manufacture customized passive fiber-optic solutions and components that withstand complex and extreme environments, including achromatic multimode couplers, multimode wavelength division multiplexers, fiber optic hermetic feedthroughs, bundles and arrays, specialty patchcords, and fiber optic deployable spools.

We address applications in niche markets including industry, energy, defense, and aerospace. The applications of our products and solutions are as diverse as opto-pyrotechnics, quantum, or spectroscopy.

10 x



years of expertise

+10 %



yearly turnover

35 %



export sales



FOG's mission: meet the growing needs of high-tech industries with advanced fiber optic assemblies for complex or extreme environments, along with associated photonic systems and subsystems.



- Founded in 2000
- Facilities: 750 m<sup>2</sup>
- Employees: 15



- Founded in 1995
- Facilities: 2300 m<sup>2</sup>
- Employees: 60



- Founded in 1951
- Facilities: 2200 m<sup>2</sup>
- Employees: 60

# MAJOR • MARKETS

We cover a broad spectrum of demanding applications. For instance, in space, we are involved in the laser-triggering separation of both stages and satellites on board of the new launch vehicles. In the nuclear field, we contribute to the analysis and treatment of nuclear waste. In the industry, we participate to the laser cleaning and cutting of materials. In the medical field, we are a key partner to perform medical devices for diagnosis. Whatever the constraints and environments, we are at your side!



# PRODUCT • LINES

All our products are designed upon customer's specifications. The issues that our customers face are exciting challenges that we proudly take on, on a daily basis. SEDI-ATI fiber-based components are widely used in extreme environments. Our main product lines include:



Fiber-optic spools for unmanned vehicles



Hermetic fiber-optic feedthroughs



Multimode fiber-optic couplers



Multimode multiplexers



Optical connectors & adapters



Specialty fiber-optic patchcords & cables



Fiber-optic bundles, arrays & octopuses



# EXTREME • ENVIRONMENTS

Over more than 70 years, we have acquired a strong and well recognized expertise in the preparation and implementation of optical fibers to withstand extreme environments.



- High-temperature  
*up to +1000 °C*



- Cryogenics  
*down to 1.5 K*



- Vacuum and UHV  
*down to  $10^{-11}$  mbar.l/s*



- Hyperbaric  
*up to 5 000 bars*



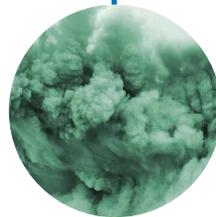
- Rays, radiations & solarization  
*up to 1 GGy*



- Mechanical vibrations and shocks  
*bending, stretching, traction...*



- High voltage  
*breakdown up to 1 kV/cm*



- Chemical and abrasive products  
*gas and hydrocarbon*

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**SEDI • ATI**

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