



Energy



Medical



Process
Industry



Transportation



Infrastructure

Summary

FBGS is a Germany and Belgium based developer and manufacturer of tailored fiber optic components and sensing solutions.



Company Profile

FBGS is a Germany and Belgium based developer and manufacturer of tailored fiber optic sensing components and solutions combining both fiber optic sensors and interrogation technology. Their unique manufacturing technologies enable products suitable for both standard and bespoke applications in temperature, shape, strain, force and pressure sensing. Key players in industries such as process industry, energy, civil engineering or medical rely on FBGS to enable advanced monitoring in harsh or demanding environments where no other sensing methods can be implemented. Their strong application know-how and the full vertical integration from fiber to software has led FBGS to become an innovation driver, empowering their customers especially in medical catheter applications and steel casting monitoring. FBGS look toward a bright future based on steady and healthy growth.

Products / Services

Fiber optic sensing solutions & components, FBG sensors and measurement devices for shape sensing, temperature sensing, strain sensing, pressure sensing & force sensing solutions.

References and export activities

Over 70% export activities and references in a variety of sectors.

- Medicine: KU LEUVEN, CSIRO
- Process industry: VOITH, Fabrisonic
- Infrastructure: Daimler Chrysler, TenCate
- Energy: EGN, Indra
- Transport: DSTO
- Composite: Com&Sens, itke
- R&D: Deltatech, HBM
- Telecom

Target group

Medical, process industry, energy, transportation, infrastructure.

Competitive advantages

Deep application know how and vertical Integration, ISO 9001:2015 compliant fiber and grating production capabilities for standard and customized solutions, Unique combination of FBG production processes: Draw Tower Gratings (DTG®), FemtoSecond Gratings (FSG®) with own FBG Interrogator platform.

Ideal Business Partners

Distributors, medical end-device producers, system integrators, research institutions.

FBGS

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Project

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