MISSION Latvia

OPTICAL FIBRE

A globally proven optical fibre industry with strong export momentum

#7 globally
by optical fibre export share relative to national economy

#3 in Europe
by optical fibre export share relative to GDP

Major companies supply optical fibre and related components to leading global players including **Corning, Prysmian, Marti Group**

Optical fibre value chain

- Raw material extraction
- Preform production
- Fibre drawing
- Cable assembly
- Applications
- Maintenance

Emerging segments — Established segments

Leading companies

FOS FIBER OPTICAL SOLUTION
LIGHTGUIDE
Ceramoptec
Armadillo Brightness all the way up

Relevant Education Institutions

INSTITUTE OF SOLID STATE PHYSICS UNIVERSITY OF LATVIA
RTU RIGA TECHNICAL UNIVERSITY
Institute of Mathematics and Computer Science University of Latvia
INSTITUTE OF ELECTRONICS AND COMPUTER SCIENCE

Global-scale optical fibre manufacturing with proven export performance

FOS.
High-precision optical fibre manufacturing for aerospace, defence and other mission-critical applications, with products validated by customers such as **NASA and Lockheed Martin.**

Light Guide Optics International.
Global-scale manufacturing of high-precision optical fibres and fibre-based components for medical, industrial and scientific applications, with 99.9% of output exported and active capacity expansion through a **€33M advanced manufacturing investment.**

CeramOptec.
Production of advanced optical fibre solutions for industrial and scientific applications within global value chains.

Armadillo
Optical fibre manufacturing and assembly supporting international customers across Europe, North America and Asia.

Applied R&D underpinning next-generation optical fibre manufacturing

Riga Technical University
Applied photonics, optics and electronics research supporting the development and scale-up of new fibre and optical technologies.

Institute of Solid State Physics
Advanced optical materials and coatings research enabling high-performance fibre and photonic applications.

Academia–industry collaboration
Industry-linked research infrastructure supporting rapid prototyping, testing and scaling of optical fibre solutions.

Source: KPMG study and expert interviews