OZ Optics Limited

FIBER OPTIC FAULT FINDER AND SMART PATCHCORD June 2017



- Company founded in 1985;
- Corporate headquarters located in Ottawa, Canada;
- Manufacturing facility in Ottawa/Canada, Izmir/Turkey, and Jiaxing/China

Seven Product Groups: Laser-to-Fiber Delivery Systems, High Power Fiber Optic Components, Polarization Maintaining Products, Attenuators, Opto-Electronic Packaging, Test Equipment, Fiber Optic Sensor Systems

Sales offices in Canada, USA, Europe, Turkey and China





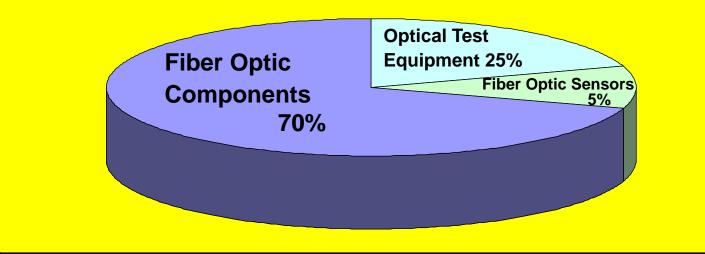




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v.ozoptics.com

> Three Product Groups:



> Over 1,000 products> Leading Edge R&D



OZ Optics Products





OZ Optics Products



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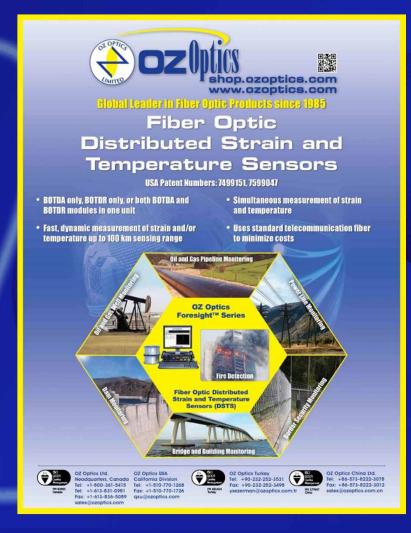
OZ Optics Products







Product Innovation





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Product Innovation





OZ Canada

Over 470 employees worldwide:

- 260 in Ottawa and US
- ➢ 50 in Turkey
- ➢ 160 in China



OZ China



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OZ Turkey



OZ Optics is lead by an experienced team:

- Ömür Sezerman, Chairman, President & CEO
 - Founder and CEO since inception (32 years)
- Zahide Sezerman, VP of Human Resources
 - With OZ Optics since inception (32 years)
- Garland Best, VP of Components Division
 - 25 years at OZ Optics
- Gordon Youle, VP of Test Equipment Division
 - 18 years at OZ Optics
- Martin Powell, Operation Manager
 - 13 years at OZ Optics
- Sarah Miller, Controller
 - 4 years at OZ Optics
- Metin Sezerman, General Manager of OZ Turkey
 - 16 years at OZ Optics
- Bing Li, General Manager of OZ Optics China
- 13 years at OZ Optics PRIVATE AND CONFIDENTIAL



 ISO 9001:2015 certified
 Broad patent portfolio
 Advanced proprietary processing technology

QUALITY MANAGEMENT SYST	EM - ISO 9001:2008
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Using our strong direct sales and distributors, we address the following markets:





OZ Optics has resellers and distributors in over 30 Countries & Regions and over 10,000 customers globally:



In-House Production Capabilities

Experienced and well-trained staff in following fields:
 optical, mechanical, electronics & software

CNC Machine Shop



Clean Room

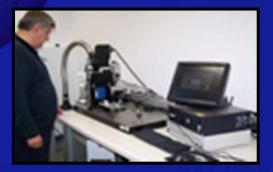


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AR Coating



Laser Conditioning/Cleaving



Femtosecond Laser Lab



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Branch Network









Facility – Ottawa Headquarters

- 60,000 sq ft. Manufacturing and R&D Facilities
- 15,000 sq ft. Admin, Sales and Marketing
- 15,000 sq ft. Training and Fitness Facility
- R&D, Product Design, Engineering, Final Assembly & QA

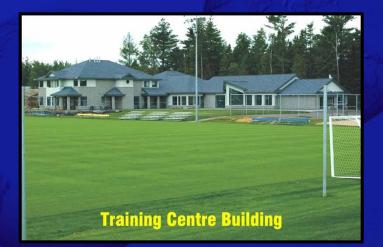






Facility – Ottawa Headquarters











OZ Optics – Turkey Factory

- Operational since 2000
- 33,000 sq ft. Manufacturing Facility
- Located in Free Trade Zone
- Low Tax Rates
- Sub Component Parts Manufacturing
- Cost Effective Manufacturing
- High Quality Labor









OZ Optics China

- Operational since 2009
- Wholly Foreign
 Owned Enterprise
- Subcomponent Parts Manufacturing
- Cost Effective Manufacturing
- High Quality Labor
- Extensive Training
 (3-6 months in OZ Canada)











OZ China Facility

Jiaxing, China

- Located in Economic Development Zone
- 500 sq meters Admin, Sales and Marketing
- 1500 sq meters Manufacturing Area
- 100 sq meters Class 10,000 Clean Room
- > 100 sq meters ESD Working Area



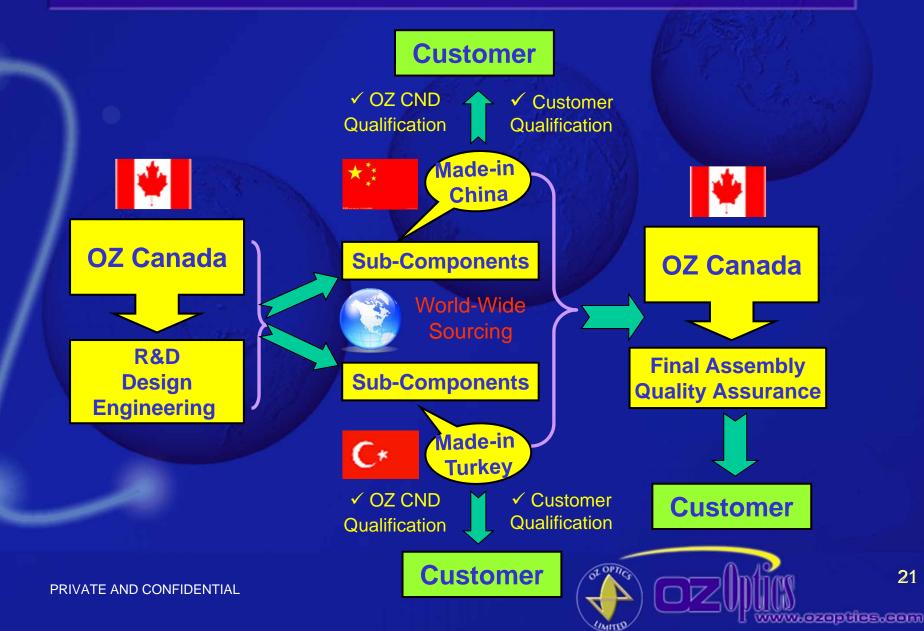








Manufacturing Strategy



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Industry Standards

🚰 Telcordia.

All products manufactured are in strict accordance with international industry standards:

- Telecordia Compliance
- CE Compliance
- RoHS Compliance
- ISO 9001:2008 Certified (China and Turkey)

CE

- ISO 9001:2015 Certified (Canada)
- Controlled Goods Directorate Registered

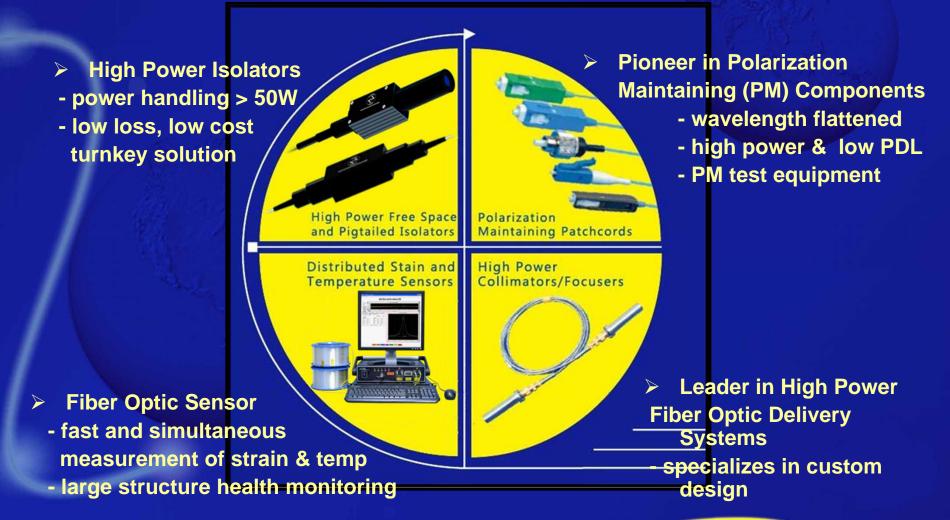


Core Competencies

- Pioneer in Polarization Maintaining (PM) Components
- Leader in Wavelength Flattened, High Power & Low PDL Components
- Leader in High Power Fiber Optic Delivery Systems
- Custom Test Equipment, Including Polarization Test Equipment and FTTH Equipment
- Widest Range in Attenuator Product Offering
- Fiber Optic Distributed Strain and Temperature Sensors
- Complete product line for OCT applications & 2 Micron



Leading Technology





OUR VISION

- Be the preferred Supplier of choice
- Capture and expand market share
- Maximize shareholder value

OUR CORE VALUES

- Leadership
- Teamwork
- Boldness
- Commitment
- Innovation
- Rewards

OUR MISSION

 To become the leading provider of innovative optical products to telecom and non-telecom sectors

OUR QUALITY POLICY

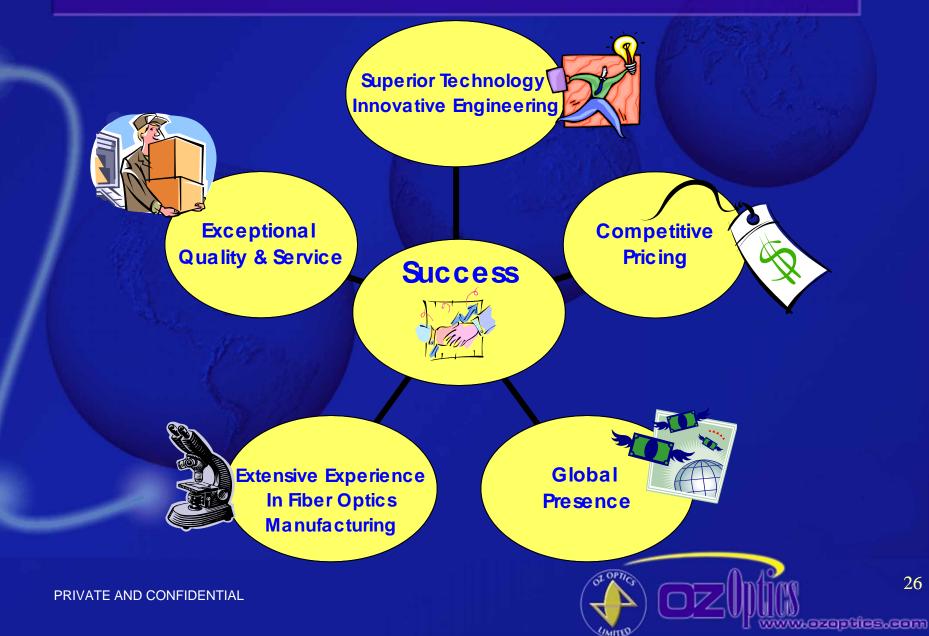
- Provide our Customers with a competitive advantage, leveraging performance, price and delivery, through a continuous process of Quality advancement in all areas of our Company
- Communicate effectively to our Customers, Suppliers and Shareholders our commitment to Quality and continuous improvement
- Promote opportunities of professional development for all members of our Company through education, training and personal challenge

Ömür Sezerman President



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Competitive Advantage



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Smart Patchcord

Embedded intelligence providing in-line optical monitoring, with remote reporting capability





Smart Patchcord

Applications:

- Optical ultra long haul
- Long haul
- Metro transport
- Fiber broadband access networks



Wireless Fiber[™]

OZ Wireless Fiber[™] - a Smart Patchcord with a wireless communication interface. Provides network health monitoring independent from the communications channel(s) under test.

Compatible with OZ-Guard[™] Solution



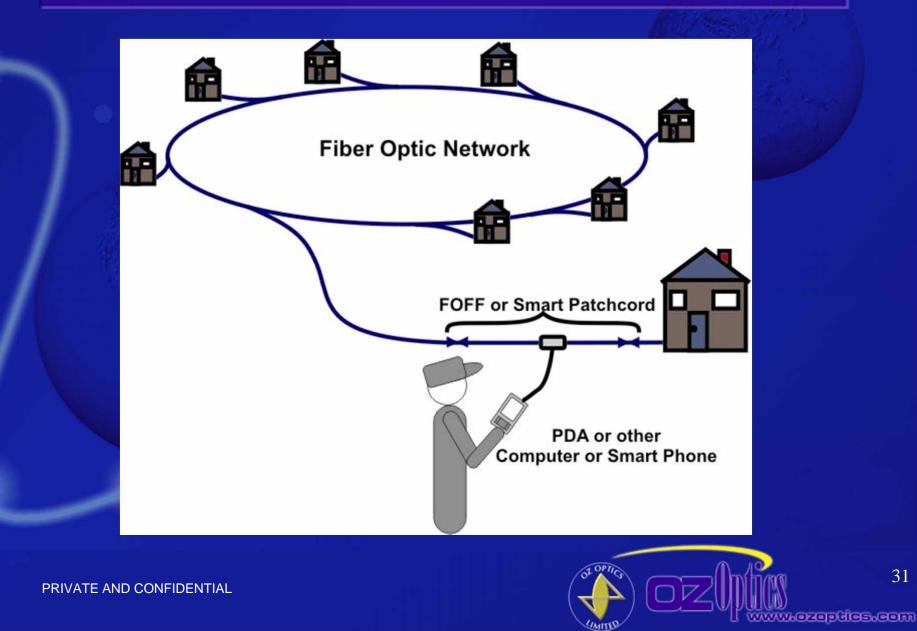
Wireless Fiber[™]

- One-time permanent installation
- Low cost solution
- Full-time availability
- Remote access to power-level readings
- Accelerates measurement-taking
- No direct physical connection required
- Reduces debugging costs
- Eliminates connection repeatability problems





Remote Monitoring for WDM Networks



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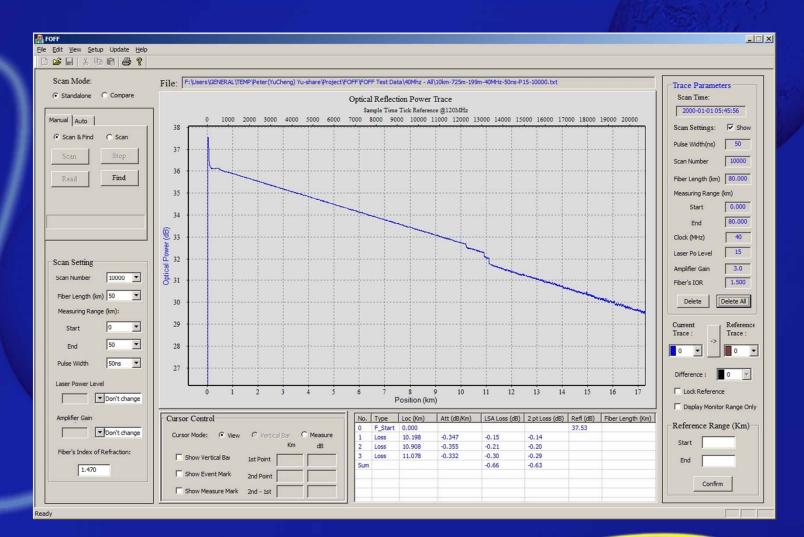
OZ-Guard[™] Fiber Optic Fault Finder

The OZ-Guard[™] Fault Finder provides continuous real-time fiber optic health monitoring for your network.





Fault Finder Application Software





OZ-Guard[™] Fault Finder

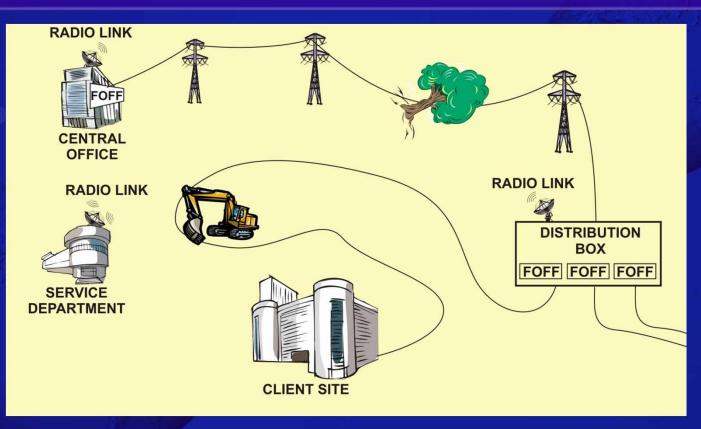
Product Features:

- Automatic determination of faults
- Fault alerts send via email, SMS and IM
- Priced for compatibility with permanent installation

Allows field engineers to focus on more complex issues and effecting new installations



OZ Guard[™] Fault Finder System

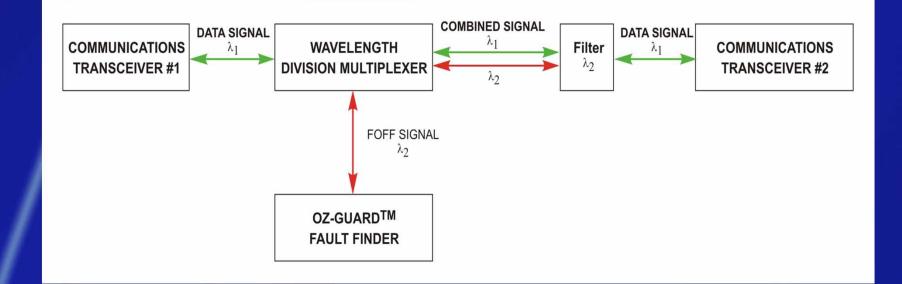


Remote monitoring of a WDM network

A Fault Finder cannot "see" beyond a splitter or filter, but due to the low cost and remote monitoring, individual Fault Finders can be used on each leg of the network.



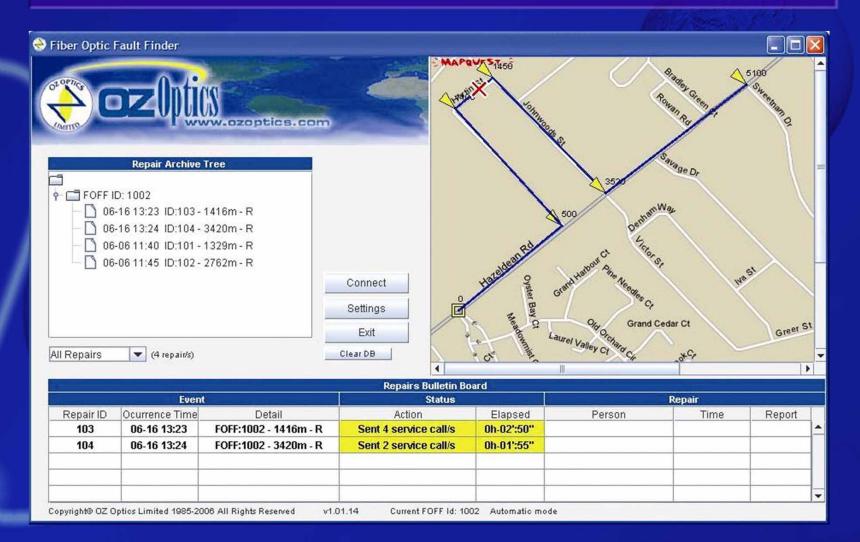
OZ Guard[™] Fault Finder System



Combining data and FOFF signals together.



GPS Locator





OZ-Guard[™] Key Features

- Monitor fiber optic health via power & OTDR data
- Transforms data into actionable information
- Sends time and location stamped alerts
- Escalates alarms until problem solved



Optical Network Safeguard

The OZ-Guard[™] Total System Solution

Reduces network operating expenses

 minimize field repairs

 Improving network availability

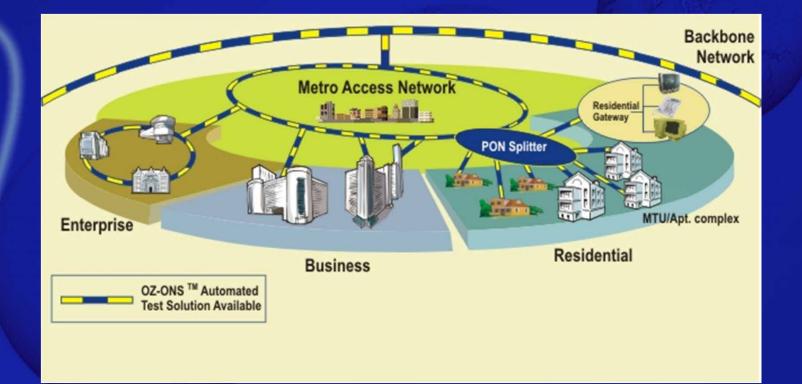
 immediate notification of faults, reduce downtime

 Optimizes field engineering resources

 Automates routine maintenance



Fiber Optic Fault-Finder for Optical Network Safeguard[™]

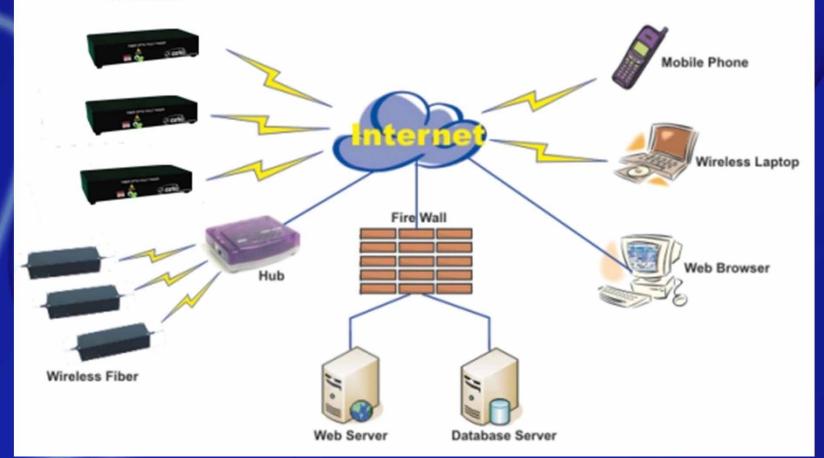


Innovative and Complete Solution for Fiber Network Health Monitoring



OZ-Guard[™] System Architecture

Fault Locator





The OZ Optics Commitment

Fiber Optic Network Operators can rest assured that OZ Optics is committed to providing a complete solution, lab evaluations, and field trials to meet the requirements of their specific network



OZ Optics

Your solution provider for existing and next generation fiber opticcomponents and test equipment

Please Contact Our Sales Dept: Tel: 613-831-0981 ext 3370 Toll Free: 1-800-361-5415 Email: <u>sales@ozoptics.com</u>.



Thank You for Choosing OZ!



