OZ Optics Limited

FIBER OPTIC FAULT FINDER AND
SMART PATCHCORD
June 2016



- 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, Turkey and China







Three Product Groups:

Optical Test Fiber Optic Equipment 25% Fiber Optic Sensors **Components** 70%

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

OZ Optics Products





OZ Optics Products





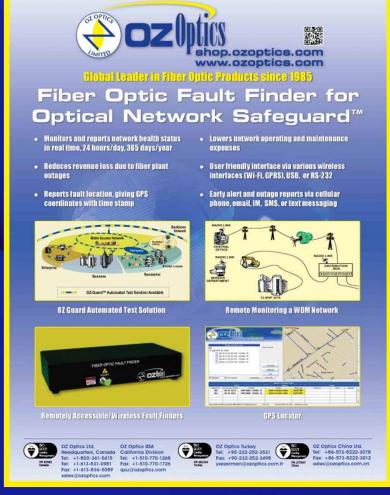
OZ Optics Products





Product Innovation





Product Innovation







Over 470 employees worldwide:

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

OZ China



OZ Canada





OZ Turkey



OZ Optics is lead by an experienced team:

- Ömür Sezerman, Chairman, President & CEO
 - Founder and CEO since inception (31 years)
- Zahide Sezerman, VP of Human Resources
 - With OZ Optics since inception (31 years)
- **Garland Best, VP of Components Division**
 - 24 years at OZ Optics
- **Gordon Youle, VP of Test Equipment Division**
 - 17 years at OZ Optics
- Martin Powell, Operation Manager
 - 12 years at OZ Optics
- Sarah Miller, Controller
 - 3 years at OZ Optics
- Metin Sezerman, General Manager of OZ Turkey
 - 15 years at OZ Optics
- Bing Li, General Manager of OZ Optics China
 - 12 years at OZ Optics PRIVATE AND CONFIDENTIAL



- ISO9001:2008 certified
- Broad patent portfolio
- Advanced proprietary processing technology











> 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



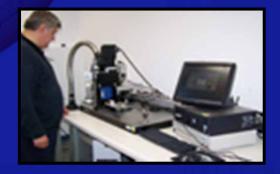
Clean Room



AR Coating



Laser Conditioning/Cleaving



Femtosecond Laser Lab





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



www.ozopties.com

Industry Standards

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

> Telecordia Compliance



CE Compliance



RoHS Compliance



- ➤ ISO 9001:2008 Certified (China, Turkey and 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



- power handling > 50W
- low loss, low cost turnkey solution



High Power

Collimators/Focusers

Distributed Stain and

Temperature Sensors

Pioneer in Polarization **Maintaining (PM) Components**

- wavelength flattened
- high power & low PDL
- PM test equipment

Fiber Optic Sensor

- fast and simultaneous measurement of strain & temp
- large structure health monitoring

Leader in High Power Fiber Optic Delivery Systems

specializes in custom design



OUR VISION

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



OUR MISSION

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

OUR CORE VALUES

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

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**



Competitive Advantage



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.

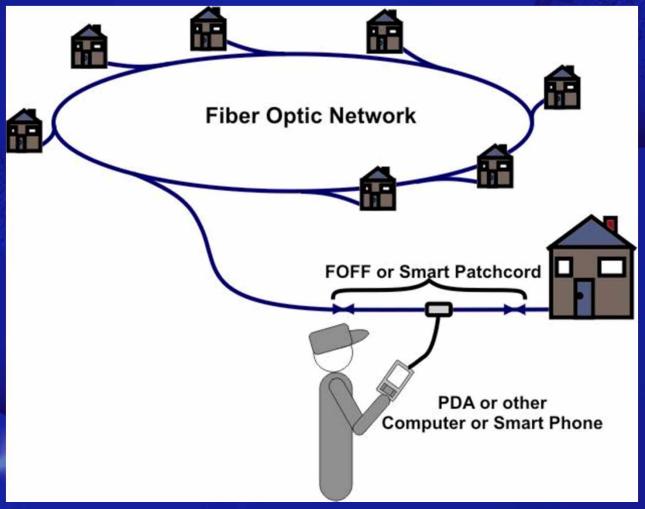
Compatible with OZ-Guard™ Solution

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



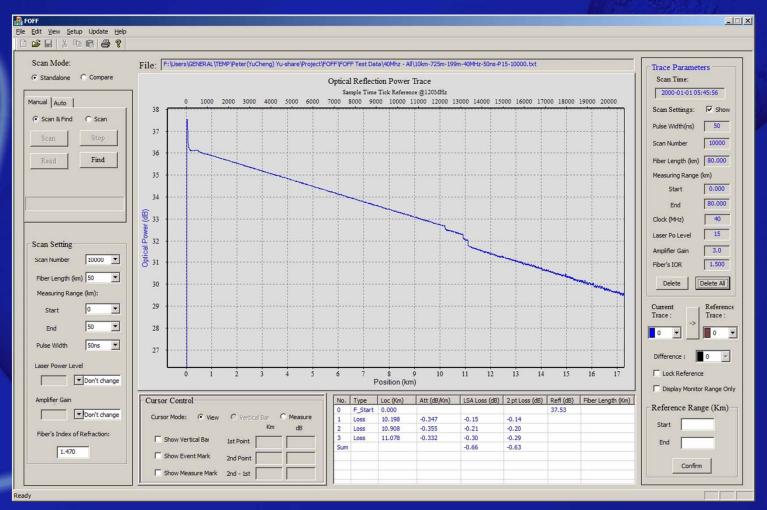


OZ-Guard™ Fiber Optic Fault Finder

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



Fault Finder Application Software



OZ-Guard[™] Fault Finder

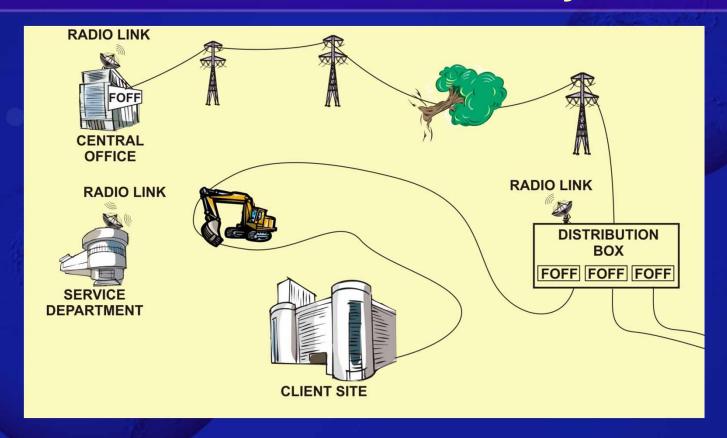
Product Features:

- 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



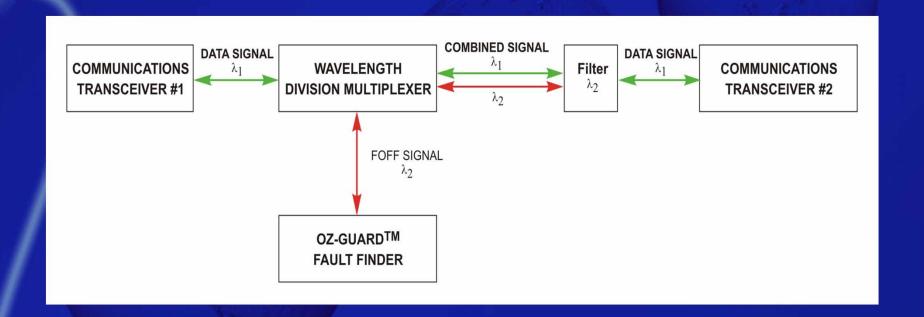
OZ GuardTM Fault Finder System



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.

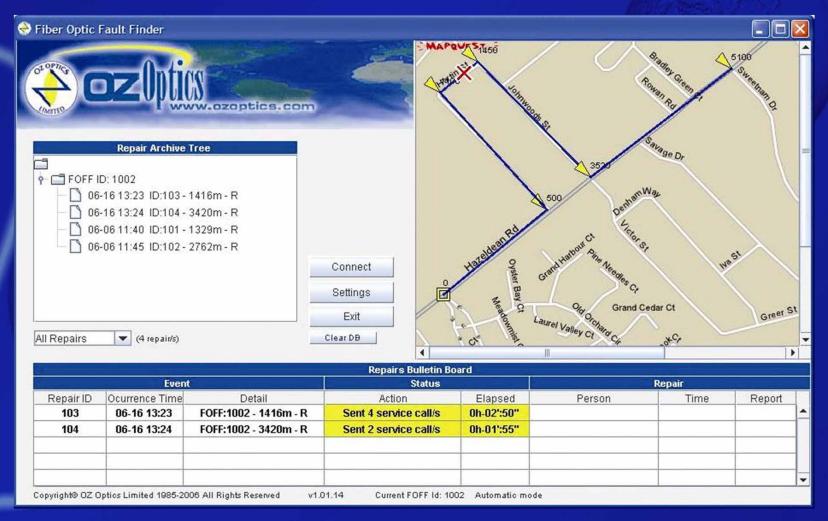
OZ GuardTM Fault Finder System



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



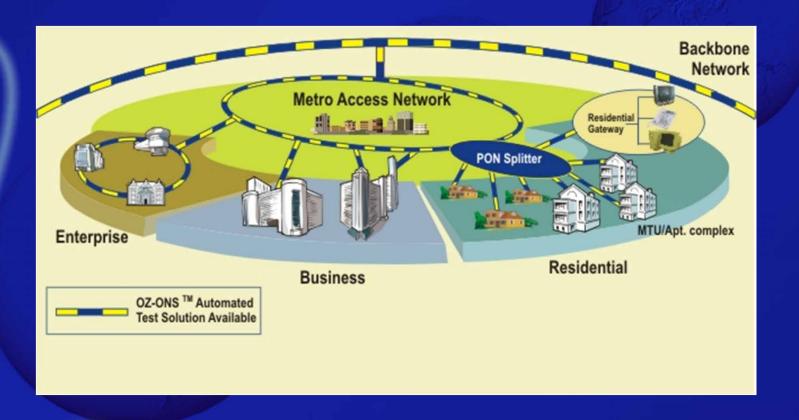
Optical Network Safeguard

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



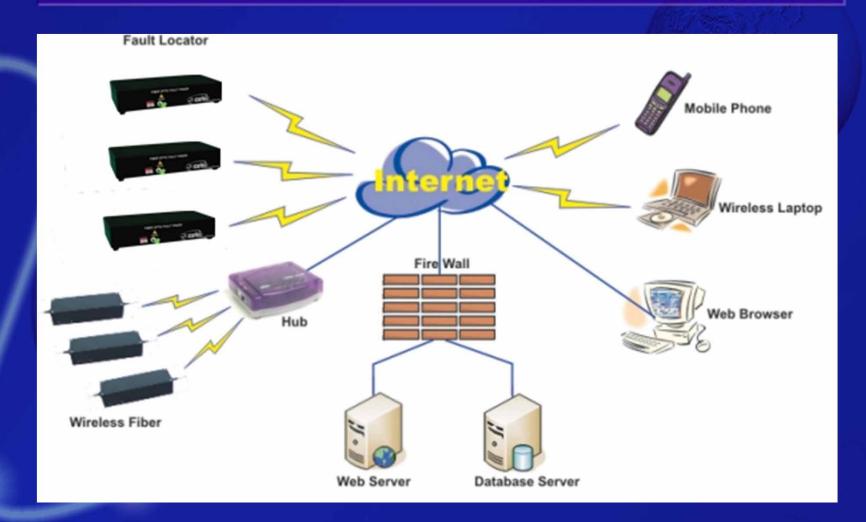
Fiber Optic Fault-Finder for Optical Network Safeguard™



Innovative and Complete Solution for Fiber Network Health Monitoring



OZ-Guard™ System Architecture



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: sales@ozoptics.com.

OZ Optics

Thank You for Choosing OZ!

