

**OZ Optics Optik Ticaret A.S.**

# **Corporate Overview**

**October 2023**



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# Company Background



- **Founded in 1985**
- **Corporate headquarter located in Ottawa, Canada**
- **Manufacturing facility in Ottawa / Canada, Izmir / Turkey and Jiaxing / China**
- **Ten Product Groups:**
  - Laser-to-Fiber Delivery Systems
  - High Power Fiber Optic Components
  - Polarization Maintaining Products
  - Attenuators
  - Opto-Electronic Packaging
  - Fiber Optic Test Equipment
  - Fiber Optic Sensor Systems
  - Fiber Optics Components for Gyroscope
  - OCT
  - BioPhotonics
- **Sales offices in Canada, USA, Europe, Turkey and China**

## ➤ Ottawa, Canada



## ➤ Izmir, Turkey



## ➤ Jiaxing, China



# Corporate Statements and Quality Policy



## Our Vision

- ✓ Capture and expand market share
- ✓ Be the preferred supplier of choice
- ✓ 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
- ✓ Commitments
- ✓ 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, continuous improvement and to abide by any applicable requirements.

Promote opportunities of professional development for all members of our company through education, training and personal challenge.



# Company Profile

Over 525 employees worldwide

OZ Canada



**263+**  
Employees

OZ China



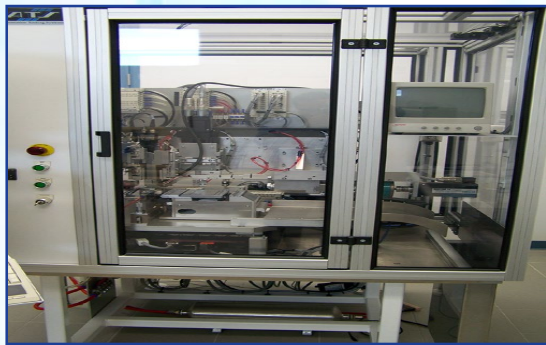
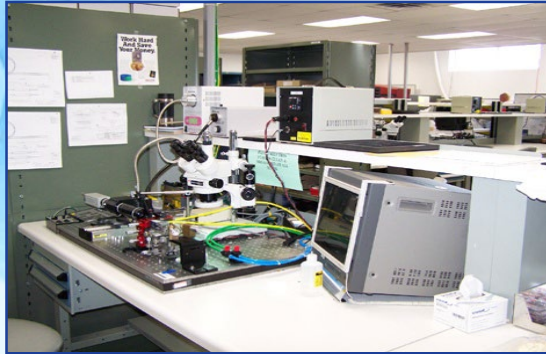
**97+**  
Employees

OZ Turkey



**165+**  
Employees

# Company Profile



**Advanced Proprietary Processing Technology**



**Canada  
Certificate: FM 63463**



**China  
Certificate: FM 577647**



**Turkey  
Certificate: FM 601414**

**ISO9001:2015 Certified**



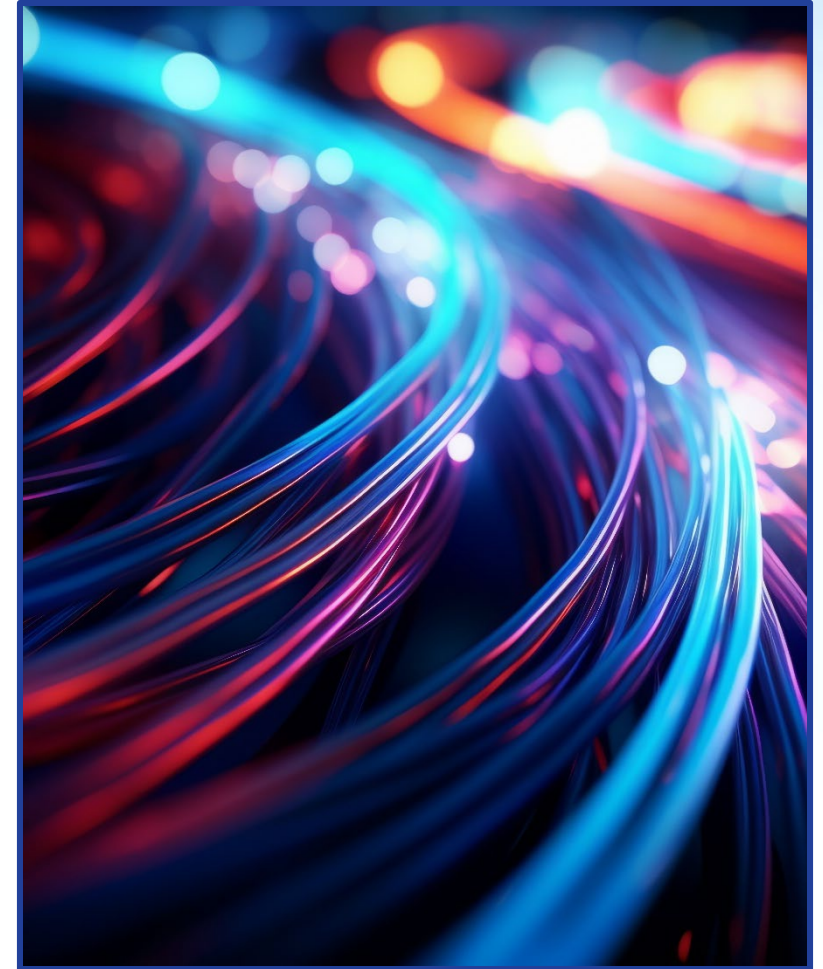
**Broad Patent Portfolio**



# Company Profile

## OZ Optics is Lead by an Experienced Team:

- **Ömür Sezerman, Chairman, President & CEO**
  - **Founder and CEO since inception (39 years)**
- **Zahide Sezerman, VP of Human Resources**
  - **With OZ Optics since inception (39 years)**
- **Garland Best, VP of Components Division**
  - **32 years at OZ Optics**
- **Gordon Youle, VP of Test Equipment Division**
  - **25 years at OZ Optics**
- **Onur Koca, General Manager of OZ Turkey**
  - **2 year at OZ Optics**
- **Bing Li, General Manager of OZ Optics China**
  - **20 years at OZ Optics**



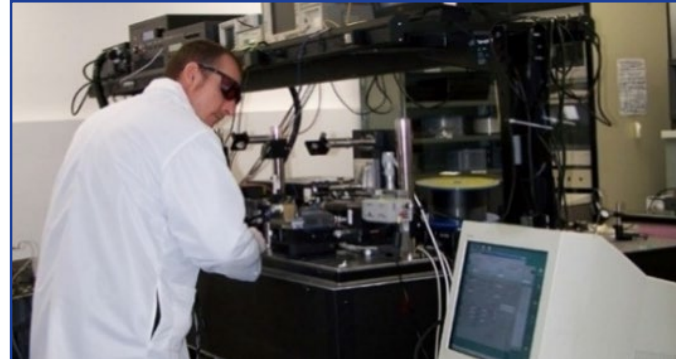
# Company Profile

**Experienced and Well-Trained Staff in Following Fields:  
Optical, Mechanical, Electronics & Software**

## ➤ CNC Machine Shop



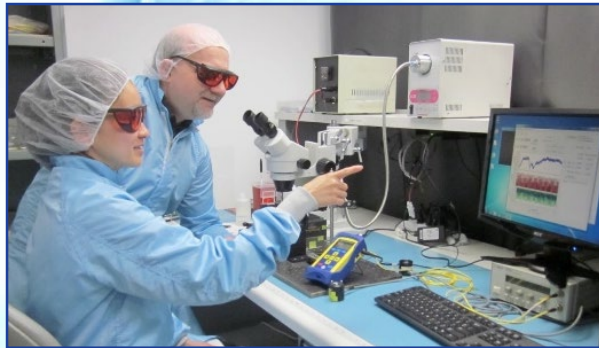
## ➤ Femto-Second Laser Lab



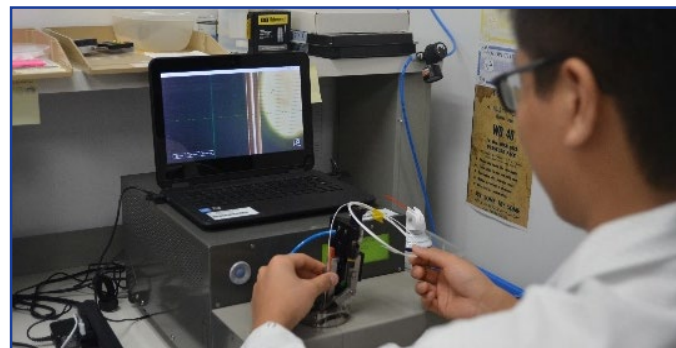
## ➤ AR Coating



## ➤ Clean Room



## ➤ Laser Conditioning/Cleaving







# Core Competencies

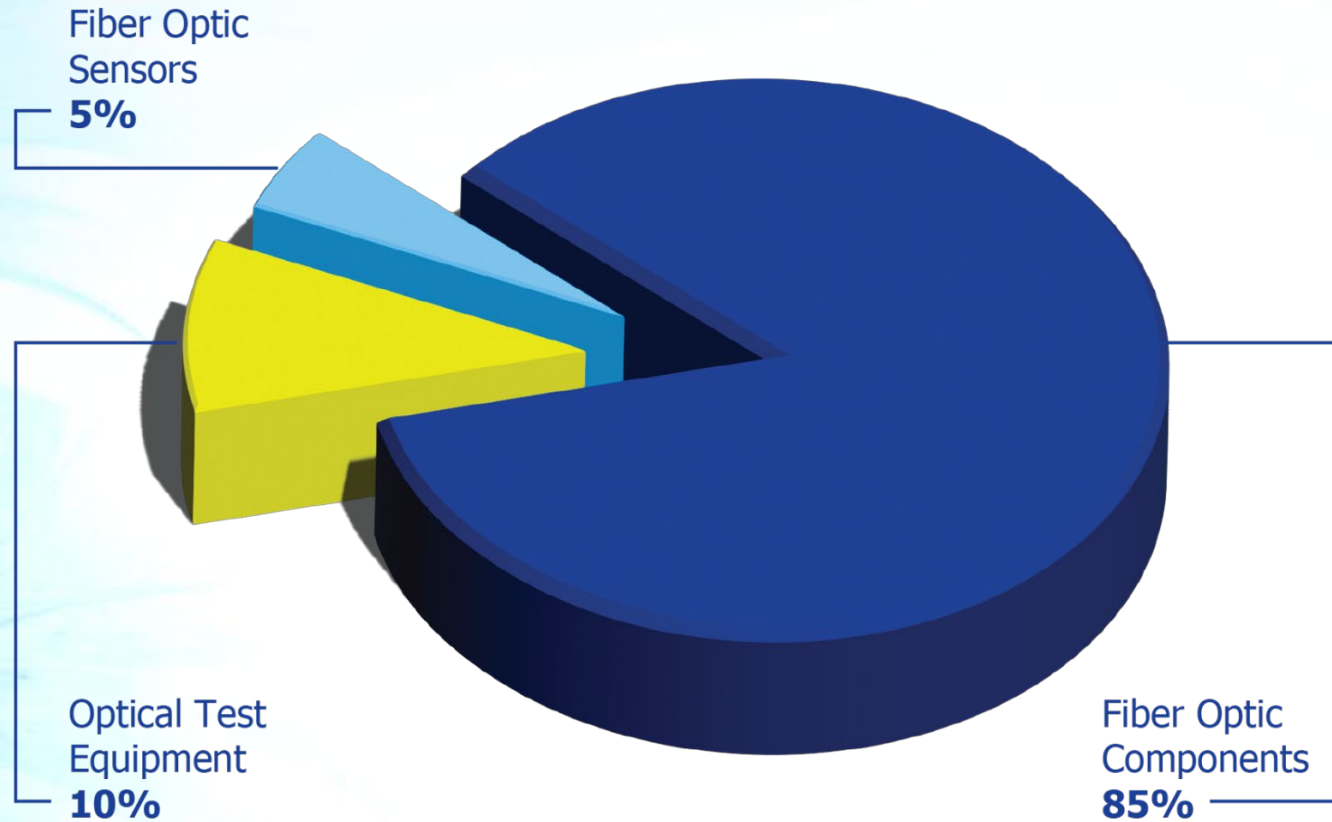
- **Pioneer in Polarization Maintaining (PM) Components**
- **Leader in Wavelength Flattened, High Power & Low PDL Components**
- **Leader in High Power Fiber Optic Delivery Systems**
- **Custom Test Equipment, Including Polarization Test Equipment and FTTH Equipment**
- **Widest Range in Attenuator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



# Leading Technology



➤ **Three Product Groups** ➤ **Over 1,000 Products** ➤ **Leading Edge R&D**





# Leading Technology

## Featured Products



### World's Largest Online Fiber Optic Catalog

Most Products are in Stock



### Polarization Maintaining Fiber Optic Components

Patent Numbers: USA 7058275, 7095931, 7295731, China 1672073



### Laser & Laser Diode to Fiber Delivery Systems



### High Power Fiber Optic Components

Patent Numbers: Canada 2494133, USA 7058275, 7095931, 7295731, China 1672073





# Leading Technology

## Featured Products



### Fiber Optic Attenuators for SM, PM, and MM Fibers



Benchtop Digital Variable Attenuators



Multichannel Variable Attenuators



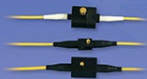
Digital Variable Attenuators



Electrically Controlled Variable Attenuators



MEMS Variable Attenuators



SM / PM / MM Fiber Pigtailed Inline Variable Attenuators



Single/Multi Channel Miniature Variable Attenuators



Reflective Style Variable Attenuators



Air Cap Variable Attenuators



Plug Type Fixed Attenuators



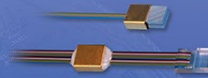
Attenuating Fiber Patchcords

### Fiber Optic Components for Optoelectronic Packaging

Hermetically Sealable Patchcords with Glass or Metal Solder



Single Channel



Multi Channel



Metalized Fibers



PM/SM/MM Fiber Pigtailed V-Groove Arrays



Polarization Measurement System for V-Grooves



Tapered / Lensed Fiber Polished / Laser Shaped



Precision Collimator / Focuser Array



Fused Fiber Collimator

### Fiber Optic Test Equipment



Handheld Extinction Ratio Measurement Systems



Benchtop Extinction Ratio Measurement Systems



Optical Fiber Length Meters



Back Reflection Meters



Benchtop Digital Variable Attenuators



Handheld Digital Variable Attenuators



Multichannel Variable Attenuators



Powermeters with Smart Detector Heads



High Power Visual Fault Locators

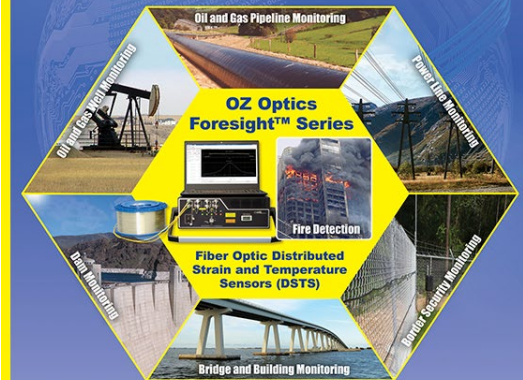


Laser Diode Stable Sources

### Fiber Optic Distributed Strain and Temperature Sensors

USA Patent Numbers: 7499151, 7599047, and 9568307

- BOTDA only, BOTDR only, or both BOTDA and BOTDR modules in one unit
- Simultaneous measurement of strain and temperature
- Fast, dynamic measurement of strain and/or temperature up to 200 km sensing range
- Uses standard telecommunications fibers to minimize costs



**OZ Optics**

shop.ozoptics.com  
www.ozoptics.com



# Leading Technology

## Featured Products



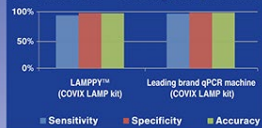
### Universal Optical DNA Rapid Detection System for Pathogens Including COVID-19, SARS, EBOLA, CHOLERA, SALMONELLA, ETC. LAMPPY™ SERIES



#### Features:

- Use to detect viral, fungal, and bacterial DNA/RNA
- Rapid DNA/RNA detection (as little as 20 minutes)
- Highly sensitive and specific detection of low viral levels
- Intuitive software displays real time data during testing
- Melt analysis available with the included software
- Lid heater prevents evaporation and condensation
- Compact modular design allows for easy cleaning and maintenance
- Pair with an external battery for a portable and field-deployable system
- Test up to 8 samples simultaneously (higher throughput systems with up to 96 samples available upon request)
- Wireless communication to computers and smartphones (coming soon)
- A fraction of the cost of qPCR based systems
- OZ Optics also offers private labelling for volume OEM applications

Clinical trial: LAMPPY™ vs. Leading brand qPCR machine



In a lab study done at Acibadem University using saliva samples taken from patients at the Acibadem Hospitals, LAMPPY™ was compared to a well-known conventional qPCR machine in performance and speed. The comparison study was carried out with a sample size of 262 using the COVIX LAMP-based kit on both instruments and then verified with the KrosQuant SARS-COV-2 (2019 nCoV) Real Time PCR Diagnostic Kit on a leading brand conventional qPCR machine.

### Fiber Optic Products for OCT Applications



### 2 micron Fiber Optic Components for PM and SM Fibers



### New Fiber Optic Products





# Industry Standards

**All Products Manufactured are in Strict Accordance with International Industry Standards:**

- **ISO 9001:2015 Certified (Canada, China and Turkey)**
- **REACH Compliance**
- **RoHS Compliance**
- **CE Compliance**
- **Telecordia Compliance**
- **Controlled Goods Directorate Registered**
- **Critical supplier for F35 and F18 Project**
- **TSCA (Toxic Substance Control Act) Compliance**
- **CHEMSHERPA Compliance**
- **IEC 61010 Compliance**



# Marketing Strategy

## Application Market

Using our strong direct sales and distributors, we address the following markets:

- **Energy – Oil and Gas**
- **Military and Homeland Security**
- **Educational**
- **Industrial**
- **Telecom / Datacom**
- **Medical & Pharmaceutical**



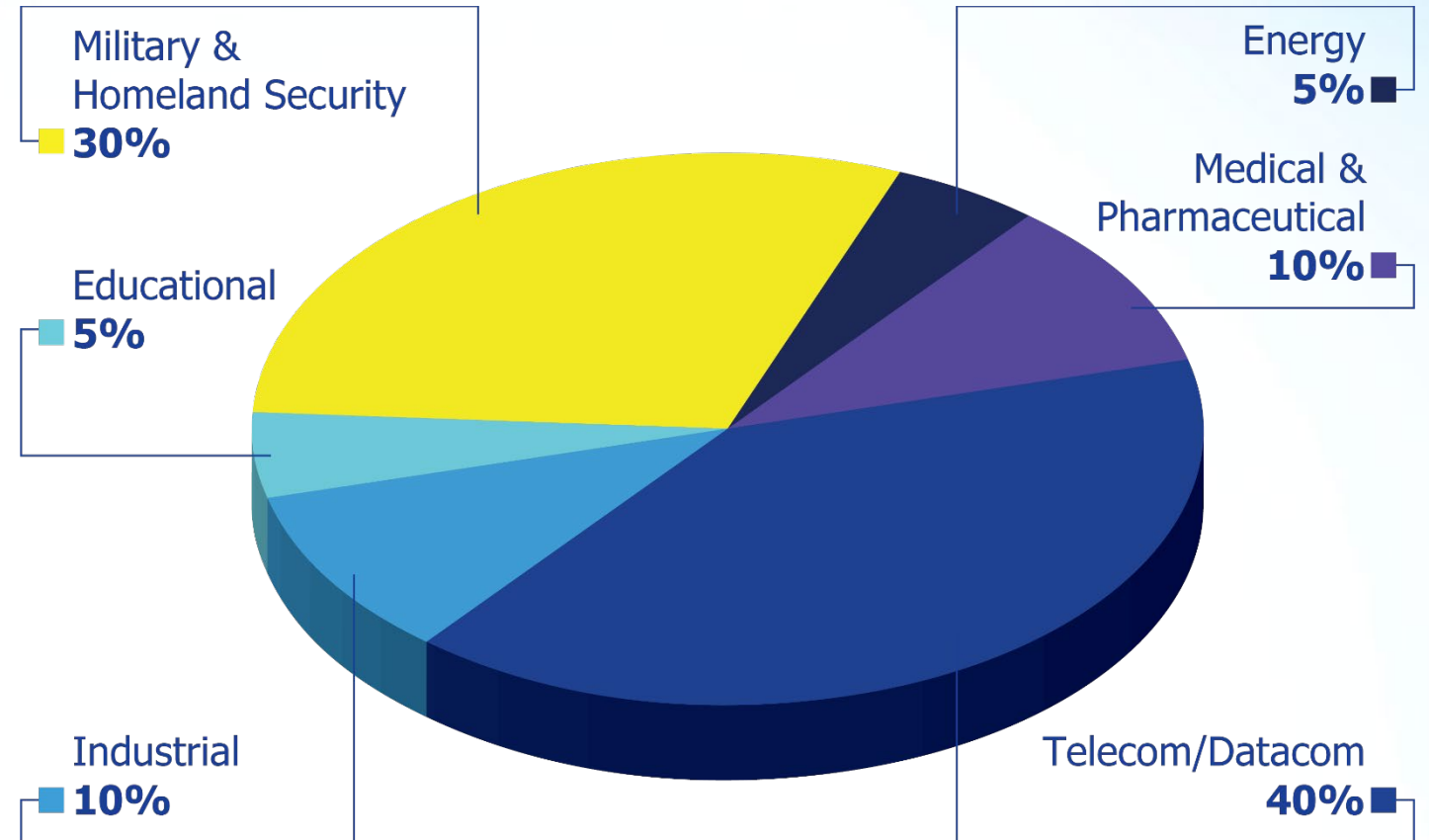


# Marketing Strategy

## Application Market

By leveraging the technology and expertise gained since its inception, OZ Optics has attracted a broad range of customers in the telecom / datacom, medical, military, security, industrial, construction, aerospace, power utilities, petrochemical and educational sectors.

Revenue Allocation:







# Marketing Strategy

## Global Sales Network

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



Austria



Germany



Luxembourg



Sweden



Belgium



Greece



Netherlands



Switzerland



Brazil



Hong Kong



Norway



Taiwan



Canada



India



Poland



Thailand



China



Ireland



Portugal



Turkey



Denmark



Italy



Singapore



United Kingdom



France



Japan



South Korea

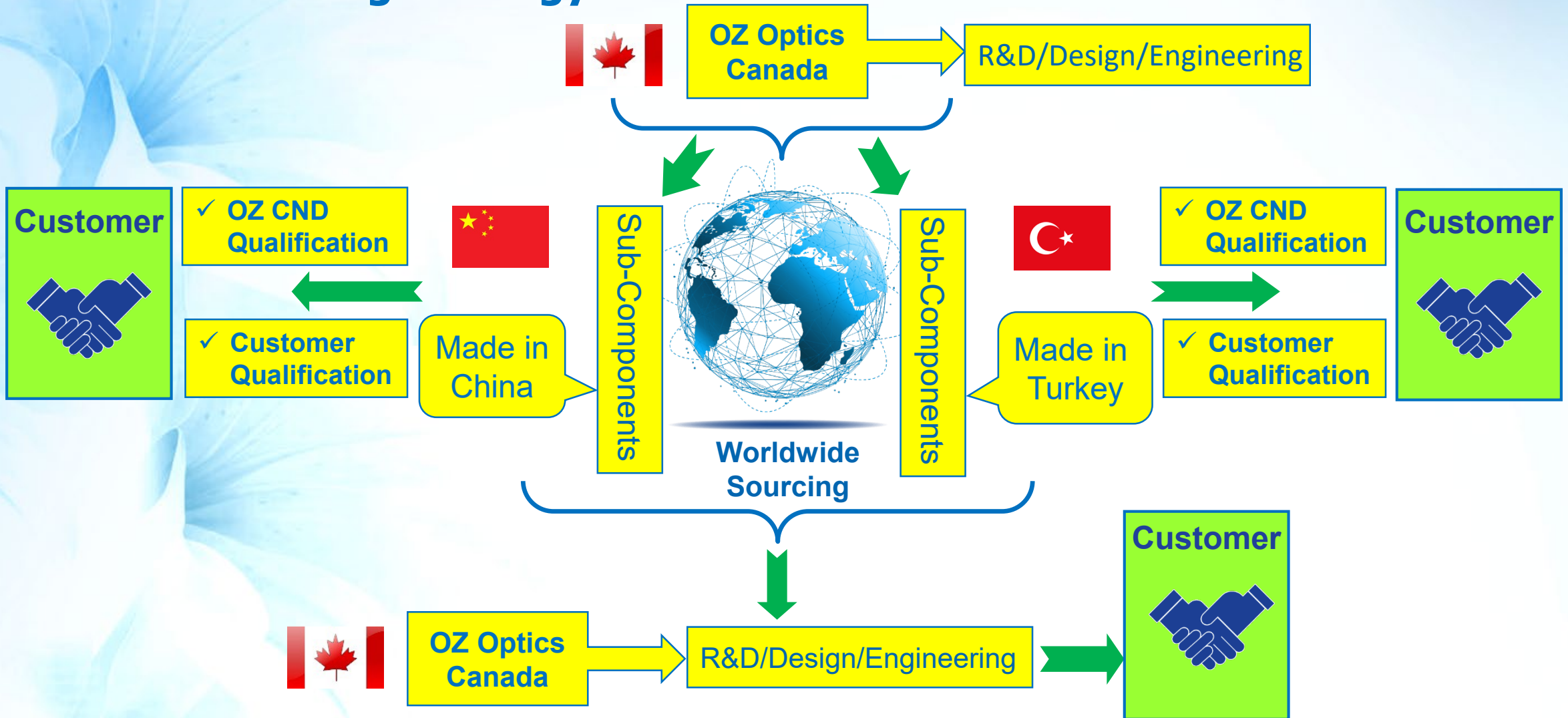


United States



# Operation Strategy

## Manufacturing Strategy





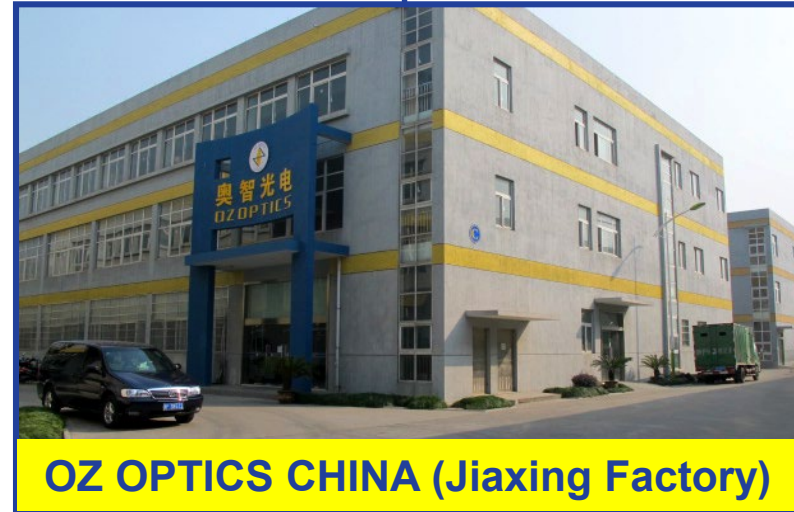
# Marketing & Operation Strategy

## Competitive Advantage

- Superior Technology  
Innovative Engineering
- Competitive Pricing
- Global Presence
- Extensive Experience  
in Fiber Optics Manufacturing
- Exceptional Quality and Service



# Branch Network





# OZ Optics A.Ş. Company Profile

- OZ Optics A.Ş. manufacturing facility founded in 2000 in Aegean Free Zone Gaziemir, Izmir.
- OZ Optics A.S. manufactures high-tech and high quality systems for export.
- OZ Optics A.S. expanded its capacity and organization in Izmir with building and machinery investments starting in 2021.
- OZ Optics A.Ş. also plans to supply fiber systems for the Defense Industry in Turkey, in addition to the export portfolio with capacity increases from its 3,100 m<sup>2</sup> production facility.

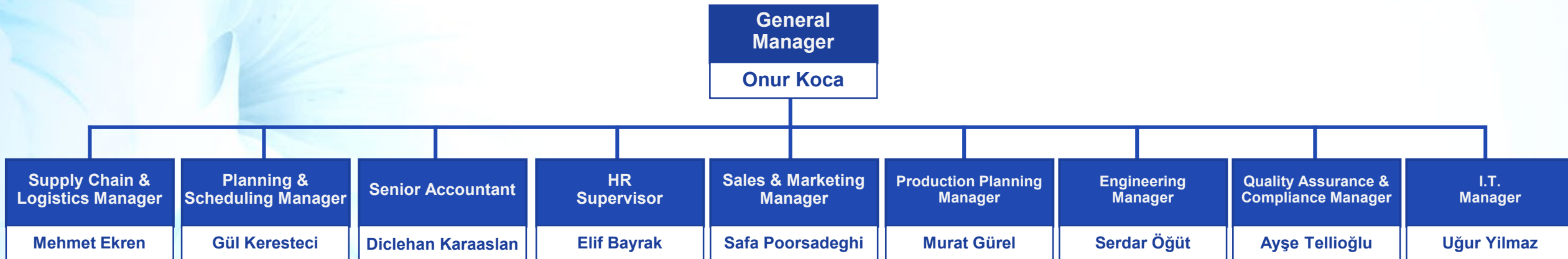




# OZ Optics A.Ş. Organization

- OZ Optics A.S. is the first producer of fiber systems in Turkey with its experienced and well-trained staff
- Total 150+ employees as of September 2023.
- 2 employees with a PhD., 5 MSc., 24 with engineering degrees. In addition we have 31 employees with university and higher education institutions degrees from non-engineering departments.
- All Engineers and all critical operators are trained in Canada for 3-6 months.

## OZ Optics A.Ş. Organization Chart



# OZ Optics A.Ş. Core Competencies

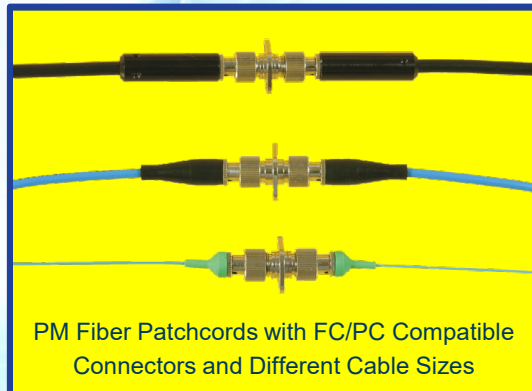


## Existing Production Lines:

- Polarization Maintaining (PM) Components
- Hermetic Assemblies
- Fiber Optic Components
- Laser-to-fiber delivery
- High Power Components
- V-Groove Assemblies
- AR Coating
- Collimators

## Production Lines to be added in near future:

- Laser Diode Packaging
- Attenuators
- OCT Applications

A comprehensive product showcase for OZ Optics Limited. It features several categories of products: Delivery Systems (various colored fiber delivery heads), High Power Components (laser diodes and fiber-based power components), Attenuators (fiber-based and electronic), Test Equipment (optical power meters and OTDRs), Polarization Maintaining Components (waveplates and isolators), High / Low Patchcords (various connector types), and Optoelectronic Packaging Components (fiber-to-chip assemblies). The showcase includes the OZ Optics Limited logo, a 38th anniversary badge (1985-2023), and the company's online shop information: [shop.ozoptics.com](http://shop.ozoptics.com) and [www.ozoptics.com](http://www.ozoptics.com).

# OZ Optics A.Ş. Industry Standard



- OZ Optics A.S. manufactures assemblies according to ISO 9001:2015 Quality Management System requirements and Advanced Proprietary Processing Technology.

bsi.



## Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

OZ OPTICS OPTIK TIC. A.S  
Akçay Cad. 144/1 Nilüfer Sk. No:11  
Ege Serbest Bölgesi  
Gaziemir/İZMİR  
İzmir  
35410  
Turkey

Holds Certificate No:

**FM 601414**

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

Manufacturing and servicing of advanced products for the fiber optics industry including attenuators, hermetic products, fiber optics delivery systems.

For and on behalf of BSI:

Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2013-10-24  
Latest Revision Date: 2022-10-20

Effective Date: 2022-10-25  
Expiry Date: 2025-10-24

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...making excellence a habit.™



# Thank You for Choosing OZ Optics

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Please Contact Our Sales Department:

Tel: +90 232 252 3531 ext. 6177

Email: [sales@ozoptics.com.tr](mailto:sales@ozoptics.com.tr)

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