ELECTRONICAST CONSULTANTS

announces an analysis and seven-year forecast of the market, technical, application and competitive trends of Harsh Environment Fiber Optic Components and Related Devices and Parts.

Global Summary
America
Europe
Japan/China/Pacific Rim

Harsh Environment Fiber Optic Components and Related Devices/Parts Global Market & Technology Forecast
Executive Study Service

ElectroniCast Consultants announces the forecast of global consumption and technology trends of fiber optic components, and their supporting devices and parts, which are designed to operate in harsh environments, beyond the environment of commercial telecom and datacom (premise) installations.

This 2008-2015 forecast of North American, European, Japan/Pacific Rim and Rest of World global consumption is presented for each significant fiber optic component category and the supporting devices and parts category. A regional market segmentation is provided. End applications are discussed, a competitive analysis is provided. The information is presented in easy-to-follow illustrations and text. The reason for the forecasted trends are discussed.

The report also outlines the market research methodology followed and the key assumptions made. Market share estimates of the major competition are provided. Terms, acronyms, and abbreviations used are defined.

The spreadsheet database structure used for this project provided for insertion (and later manipulation) of quantities, prices (and thus value) of each device/part and each component for each year, in each application subset of each geographical region. This technique permits analysis for reasonableness check at all levels.

The final database/spreadsheet was the source for the various values incorporated in the tables and figures of the report and quoted in the report text.
The calculation and analysis data spreadsheet technique is based upon input/output analysis, leveraging the quantitative consumption quantity, price and value of each item in each application at all levels to achieve reasonable quantitative conclusions. This interactive analysis concept, first applied on a major scale by Leonteff, of the US Department of Commerce, in the mid 1950s, was then adopted successfully by analyst/forecasting firms Quantum Science, Gnostic Concepts and (in 1981) by ElectroniCast.

We believe you will find this report useful for your planning of product and market development.

### Harsh Environment Applications, Components & Devices/Parts Category List

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<thead>
<tr>
<th>Component Application</th>
<th>Component Function</th>
<th>Device/ Parts Function</th>
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<tbody>
<tr>
<td>MILITARY/ AEROSPACE</td>
<td>ACTIVE COMPONENTS</td>
<td>ACTIVE DEVICES/ PARTS</td>
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<td>Aircraft/ Spacecraft</td>
<td>Transmitters/ Receivers</td>
<td>Emitters</td>
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<td>Shipboard</td>
<td>Optical Fiber Amplifiers</td>
<td>Detectors</td>
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<td>Missile Systems</td>
<td>Semiconductor Optical Amps</td>
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<td>Heavy Duty/ Mobile</td>
<td>Optical Backplanes</td>
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<td>Automotive</td>
<td>Photonic Switches</td>
<td>Cable Connectors</td>
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<td>Filter Modules</td>
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<td>Medical/ Laboratory</td>
<td>Other Passive Functions</td>
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--- DELIVERABLES ---

**Market Forecast Report:** ElectroniCast provides report text on the product market forecast in Adobe Acrobat (PDF) on CD.

----- COST OF SERVICE -----  

Subscription: The fee for this report is US $7,200. This includes the final report on CD Rom, or emailed PDF, plus consultation access to the report authors.
Product Categories

FIBER OPTIC COMPONENTS
   Active Components
      Transmitter/Receiver (Transceiver)
      Optical Fiber Amplifier
      Semiconductor Optical Amplifier
      Other Functions
   Passive Components
      Fiber Cable Assemblies/Harnesses
         Glass Fiber Based
         Plastic Optical Fiber Based
      Optical Backplanes
      Photonic Switches
      Optical Filter Modules
      Other Functions

FIBER OPTIC DEVICES & PARTS
   Active Devices and Parts
      Emitters
         Edge Emitter Laser Diode
         VCSEL (Multichannel)
         Light Emitting Diode (LED)
      Detectors
      Optoelectronic Application-Specific ICs
      Optoelectronic Integrated Circuits
      Other Active Devices/Parts
   Passive Devices and Parts
      Fiber Cable
         Glass Fiber Cable
         Plastic Fiber Cable (POF)
      Composite Cable
      Cable Connectors
         Glass Fiber Connectors
         Plastic Fiber Connectors
      Optical Filter Elements
      Splitters/Combiners
      Packages
         Component/Module Packages
         Device/Parts Packages
      Other Devices/Parts
### Database Use Example, Applications

**00 Estimated actual consumption, 2008, all fiber optic components in harsh environment applications in Asian Region**

**00 Forecasted consumption quantity, all fiber optic components, in Asia Aircraft & Spacecraft, 2011**

**00 Forecasted consumption value, all fiber optic components, by transportable base facilities, 2015, in Asia**

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Component Application Categories

Global

Europe  America  Asia

Military/Aerospace  Commercial/Industrial

Aircraft/Spacecraft  Factory

Shipboard Systems/Networks  HD Movable Machinery

Missile Systems  Automotive

Base Communication
- Fixed Base
- Transportable  Commercial Aircraft

Other MIL/Aero  Medical  Other Commercial/Industrial

PROGRAM TEAM

Program Management: This study, analysis and report is directed by Jeff D. Montgomery, Founder and President of ElectroniCast Consultants.

Jeff D. Montgomery, BSEE, MBA; President of Electronicast Consultants. Mr. Montgomery has over 50 years of professional experience in the electronics industry. Through the most recent 39 years, he has worked full time in electronic industry forecasting and planning with 31 years’ experience in communication fiber optics. His work experience, prior to founding ElectroniCast in 1981, includes: Gnostic Concepts, Inc., 9 years, co-founder and President; Quantum Science Corp., 2 years; Varian Associates, 8 years; Andrew California Corp., 10 years. He is a Senior Life Member of IEEE and Member, SPIE and OSA.
Stephen Montgomery, BA, MBA/Technology Management. Mr. Montgomery has specialized in communication network products and services demand forecasting since 1990. Mr. Montgomery is the Director of the Fiber Optics Components group and the Network Communication Products group at Electronicast Consultants and heads the Tokyo office. He also is the Director of several conferences. He has given numerous presentations and published a number of articles on optical fiber markets, technology, applications and installations. He is a member of the Editorial Advisory Board of Lightwave magazine. Mr. Montgomery is a member of the OSA, the IEEE and the Fiber Optic Association, Inc. (FOA).

—— CONTINUING COMMITMENT ——

Electronicast is committed to continuing research and forecasting in broadband networks and products, photonics and fiber optics technologies, and their markets, as well as research in related areas. Other related programs include:

Fiber Optic Forecast Service, annually since 1985; each year, volumes including Market Forecast Data Base, Market Analysis and Forecast, Competitive Analysis

Optoelectronic Integrated Circuits Forecast
Optoelectronic Packages and Packaging Forecast
Automated Test and Assembly of Fiber Optic Components Forecast
Photonic Integrated Edge Emitter Laser Diode Transceiver Forecast
40 Gbps Superdata Forecast
Storage Area Networks Forecast
Optoelectronic ASICs Forecast
Multifiber Transmit Links and Components Forecast
Fiber Optic Optoelectronics-Transmitters and Receivers Forecast
10 Gbps Datacom Transceivers Forecast
VCSEL Transceivers Forecast
Broadband-to-the-Premise Fiber Optic Components Forecast
Optoelectronic Application Specific Integrated Circuits Forecast
Dispersion Compensator Modules Forecast
Planar Waveguide Circuits Forecast
Optical Backplane and Motherboard Forecast
Intraenclosure Optical Interconnect Forecast
Massively Parallel Optical Interconnect Forecast
Photonic Switch and Matrices Technologies and Markets

These network programs have been supported by Electronicast’s communication network component and system studies, and numerous special studies.

—— QUALIFICATIONS OF ELECTRONICAST CONSULTANTS——

Electronicast Consultants is uniquely qualified to undertake this project. Its activities in analyzing the technologies and markets for fiber optics have given it unparalleled component and application databases. Its detailed and diligent research have provided the basis for projects of unusual complexity.
Electronicast Consultants' Fiber Optics analysis and Telecom Network forecasts are widely utilized in strategic planning at the world's major telecommunications and data communications companies with significant investments in lightwave technology. Specialized communications and fiber optics trade press often cite by leading business publications and Electronicast's fiber optics forecasts and analyses.

——— ABOUT ELECTRONICAST CONSULTANTS ———

Electronicast Consultants specializes in forecasting for the communication network, fiber optic, optoelectronic and photonic industries. This includes technology forecasting, markets and applications forecasting, strategic planning and consulting. Electronicast Consultants conducts both multiclient studies and custom, focused single-client studies.

Electronicast Consultants, as a technology-based independent forecasting firm, serves industrial companies, trade associations, government agencies, telecommunications companies and the financial community. Reduction of the risk of major investment decisions is the main benefit provided. Electronicast's goal is to understand the challenges and opportunities facing clients and to provide timely, accurate information for strategic planning.

——— RESEARCH AREAS ———

Electronicast Consultants covers all areas of the data and communication industries and fields impacted by communications, including:

- Systems and networks
- Equipment and subsystems
- Components and devices
- Materials and parts/devices

Most of the Electronicast projects are in the data communication, telecommunication networks and services, fiber optics, and photonics fields.

We help you catch the window
Harsh Environment Fiber Optic Components and Related Devices/Parts Global Market & Technology Forecast

Service Agreement

The undersigned hereby authorizes and directs ELECTRONICAST CONSULTANTS to furnish research and consulting service necessary to prepare the multiclient service Harsh Environment Fiber Optic Components and Related Devices and Parts Global Market & Technology Forecast for the base fee of US $7,200.

Subscription: The fee for this report is $7,200. This includes the final report on CD Rom, or emailed PDF, plus consultation access to the report authors.


CHECK ONE: _____ CD Rom _____ Email PDF

TOTAL US$______

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Signature ___________________________ Date ___________________________

Name _______________________________ Title ___________________________

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City/State/Country/PostalCode ______________________________

Telephone ______________________________ FAX _______________________

E-mail address ______________________________

Purchase Order # ______________________________

*All fees are subject to adjustment.

**ElectroniCast staff travel expenses for debriefing presentations, as incurred, are invoiced to client.

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