Global and China Fiber Optic Sensor Industry Report, 2013-2018

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STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

Optical fiber sensor (OFS) is a new type of sensor with light wave as a carrier and optical fiber as a medium, possessing high sensitivity, interference immunity, anti-corrosion, high-pressure resistance and other merits, thus being widely used in national defense, petrochemical, electric power, infrastructure, medical, etc..

At present, all countries in the world are energetically carrying out the R&D and application of optical fiber sensing technology, among them, the United States due to the earliest start leads the world in technology and scale. In 2013, global optical fiber sensor sales reached USD1.89 billion, up 19.6% year on year, of which, the United States registered USD1.22 billion, making up 64.6% of world's total, which is expected to reach USD4.33 billion in 2018.

Since the research and application of optical fiber sensor in the 1970s, China has already made significant breakthroughs in high-temperature optical fiber sensor and fiber grating sensor, accompanied by massive application in petroleum, steel, transportation and national defense. In 2013, China's optical fiber sensor market size approximated RMB960 million; with the support of national policy and boosted by Internet of Things (IoT) and other industries, the figure is estimated to approach RMB3 billion in 2018.

The promising prospect of Chinese optical fiber sensor market has attracted many domestic enterprises such as Wuhan WUTOS Co., Ltd, Beiyang Optic-electronic Information Technology Co., Ltd, Pegasus (Qingdao) Optoelectronics, Inc., Bandweaver Technologies Co., Ltd and Jiangsu Tongding Optic-Electronic Co., Ltd. Moreover, some foreign companies e.g. OMRON, Panasonic, Corning also have started their layout in China. In November 2013, Corning established the first R&D center in Shanghai, committed to the localized development of optical fiber sensor and other products in China.

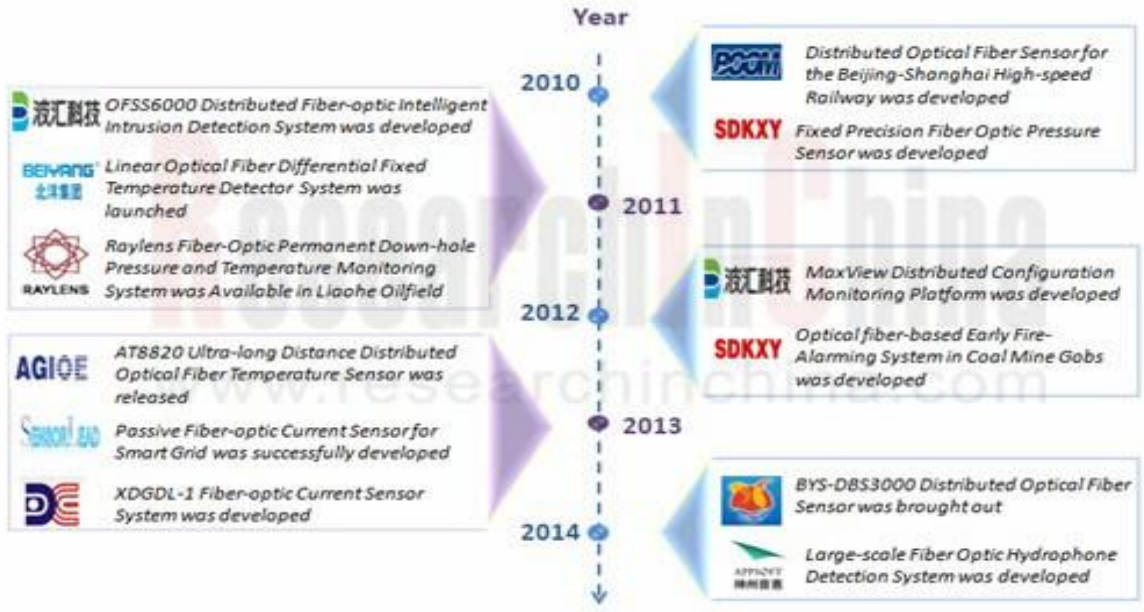
Wuhan WUTOS Co., Ltd: the largest optical fiber sensor R&D and production base in China, once undertook China's "Optical Fiber Sensor National High-tech Industrialization Demonstration Project", capable of annually producing 210,000 units of optical fiber sensors.

Beiyang Optic-electronic Information Technology Co., Ltd: founded in December 2013, a merger of Weihai Beiyang Electric Group Co., Ltd – Optical Fiber Sensing Division and its subsidiary – Hangzhou OE Technology Co., Ltd. In 2014, the company is preparing the construction of Marine Optical Fiber Sensor Project; upon completion, it will form an annual production capacity of 1,000 sets of all-fiber ocean boundary detection equipment.

Pegasus (Qingdao) Optoelectronics, Inc.: founded in 2012, currently is busy with the “Optical Fiber Sensor Industrialization Construction Project”; annual production capacity of 2,000 sets of optical fiber sensor series products will be realized after reaching designed capacity.

Bandweaver Technologies Co., Ltd: independent R&D of FireLaser DTS in 2009; independent R&D of OFSS6000 distributed fiber-optic intrusion detection system in 2011; development of MaxView distributed configuration monitoring platform in 2012; purchase of “Fiber Optic Sensing Safety Supervision System” from Focused Photonics(Hangzhou) Inc (FPI). (SZSE: 300203) in November 2012.

R&D and Application of Major Fiber Optic Sensor Manufacturers in China in the Past Five Years



Source : Global and China Fiber Optic Sensor Industry Report 2013-2018,ResearchInChina

Global and China Fiber Optic Sensor Industry Report, 2013-2018 by ResearchInChina mainly covers the followings:

- Global and China sensor development status, market competition, etc.;
- Global optical fiber sensor market status (market size and structure) as well as development of major countries, etc.;
- Development environment, market status, major projects, etc. of optical fiber sensor in China;
- Market status of 4 kinds of optical fiber sensor products as well as status quo of optical fiber sensor related industries e.g. optical fiber, optical fiber connector;
- Operation, optical fiber sensor business, etc. of 4 international and 8 domestic companies.

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Table of contents

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Selected Charts

- Comparison between Functional and Non-functional Fiber Optic Sensors
- Composition of Fiber Optic Sensor
- Global Consumer Spending on Fiber Optic Sensors, 2010-2019E
- Global Consumer Spending on Fiber Optic Sensors by Product, 2013-2018E
- Consumer Spending on Fiber Optic Sensor in the United States, 2007-2014
- Policies on Sensor Industry in China, 2011-2013
- Fiber Optic Sensor R&D of Leading Chinese Enterprises, 2007-2013
- China Fiber Optic Sensor Market Size, 2013-2018E
- China Fiber Optic Sensor (by Product) Market Structure, 2013-2018E
- Leading Chinese Fiber Optic Sensor Companies and Applications of Their Products
- Fiber Optic Sensor Projects Proposed and under Construction in China, 2014
- Fiber Optic Hydrophone Used in Virginia Class Submarine
- Application of Fiber Optic Grating Sensor in Chinese Market
- Global and China's Shipment of Optical Fiber, 2011-2014
- Optical Fiber Production Capacity and Demand in China, 2010-2014
- Production Capacities of Leading Chinese Optical Fiber Enterprises, 2010-2013
- Sales of Fiber Optic Connector in China, 2011-2016E
- Major Products and Application Markets of Fiber Optic Connector
- Global External Optical Modulator Market Structure by Data Rate, 2013
- Global Network of Keyence
- Revenue of Keyence, 2010-2013
- Fiber Optic Sensors of Keyence
- Sales and Net Income of OMRON, FY2010-FY2014
- Sales of OMRON by Business, FY2013
- Sales of OMRON by Country/Region, FY2013

Selected Charts

- Fiber Optic Sensors of OMRON
- Key Business of SUNX
- Sales and Net Income of SUNX, FY2009-FY2013
- Sales and YoY Growth of SUNX by Business, FY2013
- Sales of SUNX by Region, FY2012-FY2013
- Fiber Optic Sensors of SUNX
- Global Network of Autonics
- Fiber Optic Sensors of Autonics
- Revenue and Net Income of Jiangsu Tongding Optic-Electronic Co., Ltd., 2009-2013
- Operating Revenue (by Business) of Jiangsu Tongding Optic-Electronic Co., Ltd., 2011-2013
- Selected Economic Indicators of Suzhou SengSing Optical Fiber Sensor Technology Co., Ltd., 2013
- Revenue and Net Income of Hengtong Optic-electric Co., Ltd., 2009-2013
- Operating Revenue and YoY Growth of Hengtong Optic-electric Co., Ltd. by Business, 2013
- Selected Economic Indicators of Wuhan WUTOS Co., Ltd., 2008 Vs.2012
- R&D Results of Wuhan WUTOS Co., Ltd
- Fiber Optic Sensors of Beiyang Optic-electronic Information Technology Co., Ltd
- Development Course of Shanghai Boom Fiber Sensing Technology Co., Ltd
- Major Customers for Distributed Fiber Temperature Monitoring System of Shanghai Boom Fiber Sensing Technology Co., Ltd
- Global Sensor Market Size, 2010-2018
- Global Sensor (by Application) Market Structure, 2013
- World's Leading Sensor Companies and Their Products
- China Sensor Market Size, 2011-2018E
- China Sensor (by Application) Market Structure, 2005-2013
- China Sensor (by Product) Market Structure, 2013
- Leading Chinese Sensor Companies and Their Products, 2013
- R&D Capabilities of Leading Chinese Fiber Optic Companies, 2013

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