

# **Global Distributed Temperature Sensing Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023**

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## **Abstracts**

Distributed temperature sensing technology measures the temperature distribution along a fiber optic line. A fiber optic line can be as long as 18.5 miles at a stretch, with recording instruments only at both the ends of the line. Thus, the system has no sensors, electronics, electrical connections, or electrical wires in the entire line. DTS technology is embedded into the fiber optic line and monitors the temperature of the entire line.

### **Scope of the Report:**

This report focuses on the Distributed Temperature Sensing in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Fiber optic sensors use optical fibers as sensing elements. These sensors can sense temperature, displacements, pressure, vibrations, rotations, and the concentration of chemical species. Fiber optic sensors are small and have applications in the remote sensing field as they do not need any electrical power at the remote location. Moreover, these sensors are suitable for rough conditions, including high vibration, noise, extreme heat, unstable, and wet environments. These sensors are compact and can fit in limited spaces and can be positioned appropriately. The rising adoption of fiber optic sensors in structural monitoring is driving the adoption of DTS-based fiber optic cables and this trend is likely to continue during the forecast period as well.

Manufacturers in the DTS market have the need to innovate and adapt to the shifting business requirements to keep up with the rising competition. The manufacturers operate in a competitive environment and there is a constant need for innovations due to the rapid technological changes. The success of manufacturers is also dependent on

various factors such as the commercialization of equipment, services, and other products.

In terms of geographic regions, the Americas will be the major revenue contributor to the DTS market throughout the forecast period. The increased adoption of DTS systems by industries and the process and pipeline monitoring applications in North America will drive the growth of the market in the region. Additionally, the increasing demand for fire detection and the rising need for power cable monitoring, will also contribute to the DTS market's growth in the Americas.

The worldwide market for Distributed Temperature Sensing is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Baker Hughes

Halliburton

Schlumberger

AP Sensing

LIOS Technology

Sensornet

Sumitomo Electric

Weatherford International

Yokogawa

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Optical Time Domain Reflectometry

Optical Frequency Domain Reflectometry

Market Segment by Applications, can be divided into

Oil and gas

Manufacturing

Industrial infrastructural monitoring

Environmental monitoring

There are 15 Chapters to deeply display The global Distributed Temperature Sensing market.

Chapter 1, to describe Distributed Temperature Sensing Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Distributed Temperature Sensing, with sales, revenue, and price of Distributed Temperature Sensing, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show The global market by regions, with sales, revenue and market share

of Distributed Temperature Sensing, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Distributed Temperature Sensing market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Distributed Temperature Sensing sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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