

Europe Distributed Temperature Sensing Market (2019-2025)

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Abstracts

The Europe Distributed Temperature Sensing Market would witness market growth of 11.27% CAGR during the forecast period (2019-2025).

Distributed temperature sensing is an emerging technology, so its deployment has increased over the years through water-based applications. A wide range of geophysical methods for monitoring large-scale hydrologic processes and catchment are being developed. In order to measure the fluxes between surface water and groundwater, the market for certain geophysical methods is growing. All of these factors are expected to contribute to expanding DTS adoption.

The DTS using fiber optic cable is carried along the fiber optic cable by transmitting a laser light. The photons in the light interact with the fiber's molecular structures and the light scattering incident. The observed difference in the optical power is used for temperature measurement. The distributed temperature sensing is used in hydrologic processes through different applications, such as characterizing the relationship between a stream and an estuary in the aquifer, and evaluating transmissive fractures in bedrock boreholes.

Based on Operating Principle, the market is segmented into Optical Frequency Domain Reflectometry and Optical Time Domain Reflectometry. Based on Fiber Type, the market is segmented into Multi-Mode Fiber and Single-Mode Fiber. Based on Application, the market is segmented into Oil & Gas, Power & Utility, Safety & Security, Industrial and Civil Engineering. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key

companies profiled in the report include Yokogawa Electric Corporation, Halliburton Company, AP Sensing GmbH, Schlumberger N.V., NKT A/S (NKT Photonics A/S), The Furukawa Electric Company (OFS Fitel LLC), Bandweaver Technologies, Optromix, Sensornet Limited and Silixa Ltd.

Scope of the Study

Market Segmentation:

By Operating Principle

Optical Frequency Domain Reflectometry

Optical Time Domain Reflectometry

By Fiber Type

Multi-Mode Fiber

Single-Mode Fiber

By Application

Oil & Gas

Power & Utility

Safety & Security

Industrial

Civil Engineering

By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

Companies Profiled

Yokogawa Electric Corporation

Halliburton Company

AP Sensing GmbH

Schlumberger N.V.

NKT A/S (NKT Photonics A/S)

The Furukawa Electric Company (OFS Fitel LLC)

Bandweaver Technologies

Optromix

Sensornet Limited

Silixa Ltd.

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