

Europe Distributed Temprature Sensing Market (2019-2025)

https://marketpublishers.com/r/ECCABB5B7BF7EN.html

Date: December 2019

Pages: 83

Price: US\$ 1,500.00 (Single User License)

ID: ECCABB5B7BF7EN

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 distribution 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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