

# Strain and Temperature Sensing (DTSS) Systems Market, Global Outlook and Forecast 2022-2028

https://marketpublishers.com/r/S95246D24303EN.html

Date: June 2022 Pages: 72 Price: US\$ 3,250.00 (Single User License) ID: S95246D24303EN

# Abstracts

Strain and Temperature Sensing (DTSS) Systems are sophisticated sensor systems using Brillouin scattering in optical fibers to measure changes in both temperature and strain along the length of an optical fiber. By wrapping or embedding a fiber inside a structure — such as an oil pipeline or dam — one can detect when the structure is being strained or heated/cooled, and correct the problem before failure occurs.

This report contains market size and forecasts of Strain and Temperature Sensing (DTSS) Systems in global, including the following market information:

Global Strain and Temperature Sensing (DTSS) Systems Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Strain and Temperature Sensing (DTSS) Systems Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Strain and Temperature Sensing (DTSS) Systems companies in 2021 (%)

The global Strain and Temperature Sensing (DTSS) Systems market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Single Mode Fiber-Based DTSS Segment to Reach \$ Million by 2028, with a % CAGR



in next six years.

The global key manufacturers of Strain and Temperature Sensing (DTSS) Systems include Luna, VIAVI Solutions, Silixa, HAWK, FEBUS Optics, OZ Optics, SENSURON, FiberStrike and Infra Sensor Solutions. etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Strain and Temperature Sensing (DTSS) Systems manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Strain and Temperature Sensing (DTSS) Systems Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Strain and Temperature Sensing (DTSS) Systems Market Segment Percentages, by Type, 2021 (%)

Single Mode Fiber-Based DTSS

Multimode Fiber-Based DTSS

Global Strain and Temperature Sensing (DTSS) Systems Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Strain and Temperature Sensing (DTSS) Systems Market Segment Percentages, by Application, 2021 (%)

Oil & Gas

Power & Utilities

Transport

Others

Strain and Temperature Sensing (DTSS) Systems Market, Global Outlook and Forecast 2022-2028



Global Strain and Temperature Sensing (DTSS) Systems Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Strain and Temperature Sensing (DTSS) Systems Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan



South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

**Competitor Analysis** 

The report also provides analysis of leading market participants including:

Key companies Strain and Temperature Sensing (DTSS) Systems revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Strain and Temperature Sensing (DTSS) Systems revenues share in global market, 2021 (%)



Key companies Strain and Temperature Sensing (DTSS) Systems sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Strain and Temperature Sensing (DTSS) Systems sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Luna

**VIAVI** Solutions

Silixa

HAWK

**FEBUS** Optics

**OZ** Optics

SENSURON

FiberStrike

Infra Sensor Solutions



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