

# Global Distributed Acoustic Sensing (DAS) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Distributed Acoustic Sensing (DAS) market size was valued at USD 512 million in 2023 and is forecast to a readjusted size of USD 994.8 million by 2030 with a CAGR of 10.0% during review period.

Distributed Acoustic Sensing (DAS) is an acoustic and seismic sensing capability that uses simple fibre optic communications cables as the sensor. The system works by converting a single optical fibre into tens of thousands of individual highly-sensitive vibrational sensors. Using existing or new cables, it can provide low-cost and high-reliability surface crossing and tunnel construction detection, with power and communications services needed only every 80-100 km. The technology has been proven in worldwide security operations at over one hundred locations in a variety of industries including oil and gas pipelines, railways, and high-value facility perimeters. The system reliably detects a variety of border threats with very few nuisance alarms. It can work in concert with existing border surveillance technologies to provide security personnel a new value proposition for fighting trans-border crime.

The major players in global Distributed Acoustic Sensing (DAS) market include Qinetiq, Halliburton, etc. The top 2 players occupy about 25% shares of the global market. North America and Europe are main markets, they occupy about 80% of the global market. DASI is the main type, with a share over 70%. Oil & Gas is the main application, which holds a share about 70%.

The Global Info Research report includes an overview of the development of the Distributed Acoustic Sensing (DAS) industry chain, the market status of Oil & Gas

(DASI, DASP), Utility (DASI, DASP), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Distributed Acoustic Sensing (DAS).

Regionally, the report analyzes the Distributed Acoustic Sensing (DAS) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Distributed Acoustic Sensing (DAS) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Distributed Acoustic Sensing (DAS) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Distributed Acoustic Sensing (DAS) industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., DASI, DASP).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Distributed Acoustic Sensing (DAS) market.

**Regional Analysis:** The report involves examining the Distributed Acoustic Sensing (DAS) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Distributed Acoustic Sensing (DAS) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Distributed Acoustic Sensing

(DAS):

**Company Analysis:** Report covers individual Distributed Acoustic Sensing (DAS) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Distributed Acoustic Sensing (DAS) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Oil & Gas, Utility).

**Technology Analysis:** Report covers specific technologies relevant to Distributed Acoustic Sensing (DAS). It assesses the current state, advancements, and potential future developments in Distributed Acoustic Sensing (DAS) areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Distributed Acoustic Sensing (DAS) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Distributed Acoustic Sensing (DAS) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

DASI

DASP

### Market segment by Application

Oil & Gas

Utility

Military

Infrastructure

Others

### Major players covered

Qinetiq

Halliburton

Schlumberger

GE(Baker Hughes)

Future Fibre

Northrop Grumman

OFS

Fotech

Silixa

Omnisens

Ziebel

CPC

Synet Optics

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Distributed Acoustic Sensing (DAS) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Distributed Acoustic Sensing (DAS), with price, sales, revenue and global market share of Distributed Acoustic Sensing (DAS) from 2019 to 2024.

Chapter 3, the Distributed Acoustic Sensing (DAS) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Distributed Acoustic Sensing (DAS) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Distributed Acoustic Sensing (DAS) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Distributed Acoustic Sensing (DAS).

Chapter 14 and 15, to describe Distributed Acoustic Sensing (DAS) sales channel, distributors, customers, research findings and conclusion.

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