

Global Acoustic Emission Equipment Market Size study, by Product Type (AE Systems, Hand-held Systems, Standalone Sensors), by Technique (Multiple Channel Location Source Technique, Linear Source Technique, Zonal Source Technique, Point Source Technique), by End-User (Engineering, procurement and construction (EPC), Oil & Gas, Power Plants, Transportation, Aerospace & Defense, Others) and Regional Forecasts 2020-2027

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Abstracts

Global Acoustic Emission Equipment Market is valued approximately at USD 108 million in 2019 and is anticipated to grow with a compounded annual growth rate of more than 3.2% over the forecast period 2020-2027. Acoustic emission is a technique that is being extensively used in the area of fundamental integrity evaluation. Acoustic emission testing is a type of non-destructive testing (NDT) method that examines emitted sound waves triggered by cut-offs, defects, or voids. It assesses the resistance of acoustic waves within the specimen. Usually, acoustic emission waves are characterized by high-sensitivity piezoelectric sensors within frequency responses from 20 kHz to 1 MHz. Acoustic emission further provides explicit prospects to scrutinize infrastructure modules in real-time, identifying sudden alterations in the reliability of the examined component. Furthermore, the rise in demand for aircraft, increasing investment across research activities in the acoustic emission, and growing number of new infrastructural projects are the few factors responsible for the CAGR of the market during the forecast period. According to Boeing, it is estimated that there will be 7,290 airplane deliveries between 2014 and 2033 in North America. Also, as per the source, it is anticipated that there will be total delivery of 41,030 commercial aircraft that will be made during the years of

2017-2036. Similarly, according to the survey of Airbus, the total demand for commercial aircraft is around 37,390 units by 2037, an increase from 33,700 units estimated in 2016. This, in turn, is expected to accelerate the demand for acoustic emission equipment thereby, making a significant impact on the market growth all over the world. However, the high cost of the equipment and shortage of skilled professionals is one of the major factors restraining the market growth over the forecast period of 2020-2027.

The regional analysis of the global Acoustic Emission Equipment market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rise in the production of aircraft with advanced features, and the presence of a significant number of market vendors in the region. Whereas Asia-Pacific is anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as the growing infrastructural developments and construction projects coupled with government initiatives for implementing NDT solutions would create lucrative growth prospects for the Acoustic Emission Equipment market across the Asia-Pacific region.

Major market player included in this report are:

Acoustic Monitoring International, Inc.

Campbell Scientific, Inc.

Dodson Technical Services, Inc.

Mistras Group, Inc.

Parker-Hannifin Corporation

Schmitt Europe Ltd.

Score Atlanta Inc.

Siemens AG

Vallen Systeme GmbH

Wabtec Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

- AE Systems
- Hand-held Systems
- Standalone Sensors

By Technique:

- Multiple Channel Location Source Technique
- Linear Source Technique
- Zonal Source Technique
- Point Source Technique

By End-User:

- Engineering, procurement and construction (EPC)
- Oil & Gas
- Power Plants
- Transportation
- Aerospace & Defense
- Others

By Region:

- North America
 - U.S.
 - Canada
- Europe
 - UK
 - Germany
 - France
 - Spain
 - Italy
 - ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018
Base year – 2019
Forecast period – 2020 to 2027

Target Audience of the Global Acoustic Emission Equipment Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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Acoustic Monitoring International, Inc.

Campbell Scientific, Inc.
Dodson Technical Services, Inc.
Mistras Group, Inc.
Parker-Hannifin Corporation
Schmitt Europe Ltd.
Score Atlanta Inc.
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