

Global Leak Detection Solutions Market Size study, by Technology (Acoustic/Ultrasonic, Pressure Analysis, Thermal Imaging, Fiber Optic, Laser Absorption and LiDAR, Vapour Sensing, E-RTTM), by End-Users (Oil & Gas, Chemical, Water Treatment, Power Generation, Other End-Users) and Regional Forecasts 2022-2028

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Abstracts

Global Leak Detection Solutions Market is valued at approximately XX in 2021 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2022-2028. A leak detection system keeps track of the flow of oil and gas, chemicals, and water through a pipeline, as well as the leakage of other elements. When an unexpected circumstance is recognised, the system either cuts off the flow or notifies the user of the leak. Oil and gas, chemical, water treatment, power generating, and other industries commonly use leak detection systems. To pinpoint the location of the leak, specific leak detecting techniques were developed. The market's expansion may be attributed to an increase in demand for leak detection solutions among utility businesses around the world, owing to benefits such as increased safety, cost savings, and environmental protection. Leak detection solutions also help the oil and gas sectors keep their workplaces safer by lowering the risks of explosions and fires. Increased advancements in natural gas and oil infrastructure around the world are also expected to drive market expansion. As an example, South West Water collaborated with ASTERRA Satellite-based leak detection company to conduct satellite data analysis to find subsurface water breaks and reduce leakage levels across its network in March 2022. The technology is similar to that used to look for water on other worlds, such as Mars, and works by collecting photographs of the globe with microwave sensors onboard a spacecraft. Because microwaves can penetrate up to 2 metres deep, the data will identify probable leaks that are not visible above ground. While demand for

leak detection systems in the oil and gas industry has increased in recent years, retrofitting concerns in some leak detection systems, such as distributed temperature sensing (DTS) and distributed acoustic sensing (DAS) systems based on fibre optic, are constraining market expansion. Adapting fiber-optic leak detection equipment to existing pipes is complex and costly, thus hampers the market growth over the forecast period.

The key regions considered for the global Leak Detection Solutions market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America has the fastest-growing market for leak detection solutions due to rapid industrialization, expansion in the oil and gas industries, and key companies in North America such as Honeywell International Inc, and Schneider Electric S.E are developing new products in Leak detection solutions.

Major market players included in this report are:

Honeywell International Inc
Aeris Technologies, Inc.
Bridger Photonics
Schneider Electric S.E
Siemens Gas and Power GmbH & Co. KG
Xylem.Inc
Krohne Messtechnik GmbH
PSI Software AG
Teledyne FLIR LLC
ClampOn AS

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 Technology:

Acoustic/ Ultrasonic
Pressure Analysis
Thermal Imaging
Fiber Optic
Laser Absorption and LiDAR

Vapor Sensing
E-RTTM
Other Technologies

By End-Users:

Oil & Gas
Chemical
Water treatment
Power Generation
Other End-Users

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 – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Leak Detection Solutions 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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