

Global Leak Detection and Repair (LDAR) Market By Product (Handheld Gas Detectors, Vehicle-Based Detectors, UAV Based Detectors and Manned Aircraft Detectors) By Technology (VOC Analyzer, Optical Gas Imaging, Acoustic Leak Detector, Ambient/Mobile Leak Monitoring, Laser Absorption Spectroscopy and Others) By Region, Industry Analysis and Forecast, 2019 - 2025

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# **Abstracts**

The Global Leak Detection and Repair (LDAR) Market size is expected to reach \$26.5 billion by 2025, rising at a market growth of 6.6% CAGR during the forecast period. The Environmental Protection Agency (EPA) has implemented LDAR regulations to minimize the emission of volatile organic compounds (VOCs) and volatile hazardous air pollutants (VHAPs) from leaking equipment like pumps, valves, and connectors in industries such as petroleum refining and chemical manufacturing. Stringent regulations and policies as well as the growing awareness of the adverse effects of greenhouse gas emissions on the atmosphere are expected to be main drivers of market growth. In addition, advances in robotics, unmanned aerial vehicles and industrial automation are expected to drive market growth.

Oil and gas companies are planning to incorporate gas leak detection systems as part of their digital transformation strategies. The technology finds applications in the industrial domains of oil and gas, namely upstream, midstream and downstream. Due to the high-risk activities involved in their field of work, offshore oil and gas installations are expected to see a major adoption of LDAR systems. The expansion of the oil and gas pipeline network, especially in North America, Europe and APAC, is set to work for the



benefit of the industry.

Several governments are collaborating with private firms, academic institutions and universities to build highly sensitive low-cost gas leak detection, monitoring, and measurement solutions. The U.S. government has made major investments in research and development of design, development and testing systems under the Advanced Research Projects Agency (ARPA-E) Methane Observation Networks with Innovative Reduction Technology (MONITOR) program. The need for safety and efficiency is anticipated to encourage businesses to implement technologies for the detection of gas leaks.

With the sudden break of Covid-19 in late months of year 2019, the markets worldwide are unfortunately experiencing its grip. The suppliers and consumers of the products & Services are affected in a big way across the sectors resulting in declining revenues in last quarters of year 2019.

Based on Product, the market is segmented into Handheld Gas Detectors, Vehicle-Based Detectors, UAV Based Detectors and Manned Aircraft Detectors. Based on Technology, the market is segmented into VOC Analyzer, Optical Gas Imaging, Acoustic Leak Detector, Ambient/Mobile Leak Monitoring, Laser Absorption Spectroscopy and Others. Based on Regions, the market is segmented into North America, Europe, Asia Pacific, and Latin America, Middle East & Africa.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include IBM Corporation (IBM Thomas J. Watson Research Center), Baker Huges Company (Avitas Systems), WorleyParsons Limited (Advisian), Ball Corporation (Ball Aerospace & Technologies Corporation), Team, Inc., Aeris Environmental Ltd. (Aeris Technologies, Inc.), ABB Group, Kairos Aerospace, Inc., Picarro, Inc., and ENCOS, Inc.

Scope of the Study

Market Segmentation:

By Product

Handheld Gas Detectors

Vehicle-Based Detectors



**UAV Based Detectors** Manned Aircraft Detectors By Technology **VOC** Analyzer Optical Gas Imaging Acoustic Leak Detector Ambient/Mobile Leak Monitoring Laser Absorption Spectroscopy Others By Geography North America US Canada Mexico Rest of North America Europe Germany UK



	France	
	Russia	
	Spain	
	Italy	
	Rest of Europe	
Asia Pacific		
	China	
	Japan	
	India	
	South Korea	
	Singapore	
	Malaysia	
	Rest of Asia Pacific	
LAMEA		
	Brazil	
	Argentina	
	UAE	
	Saudi Arabia	
	South Africa	
	Nigeria	



### Rest of LAMEA

# Companies Profiled IBM Corporation (IBM Thomas J. Watson Research Center) Baker Huges Company (Avitas Systems) WorleyParsons Limited (Advisian) Ball Corporation (Ball Aerospace & Technologies Corporation) Team, Inc. Aeris Environmental Ltd. (Aeris Technologies, Inc.) ABB Group

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