

North America 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 Country, Industry Analysis and Forecast, 2019 - 2025

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Abstracts

The North America Leak Detection and Repair (LDAR) Market would witness market growth of 5.9% CAGR during the forecast period (2019-2025).

Optical gas imaging is usually referred to as OGI and can detect chemical gases as it can detect leakage from a distance. Due to several benefits, such as improved sensitivity and monitoring of gas leak, it is one of the most preferred methods for detecting leakage. Technology is projected to see substantial growth over the forecast period due to the growing demand in the oil & gas sector for hazardous gas detectors that encourage safe operation and the need to comply with strict environmental regulations.

It detects various gases such as propane, methane, carbon monoxide, and hydrogen sulfide. Moreover In fact, it enables to scan larger areas for gas leak detection and has been reported by the U.S. EPA as one of the popular tools that can be used to track leaks in the oil & gas sector. In addition to these two innovations, acoustic lead detectors are also projected to account for a large market share.

Handheld gas detectors are commonly used in the oil and gas industry due to their portability and cost-effectiveness. Such detectors are most widely used to track pipeline operations and detect various gasses such as methane (CH₄), carbon dioxide (CO₂), methane (H₂CO), carbon monoxide (CO) and ammonia (NH₃). In addition, handheld gas detectors are also used in Method 21 for tracking fugitive emissions. As a result, demand for handheld gas detectors in the oil and gas sector is expected to increase due to rising production of natural gas, growing trade in oil and gas products, improving pipeline networks and introducing related regulatory policies.

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 countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

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 Hughes 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 Country

US

Canada

Mexico

Rest of North America

Companies Profiled

IBM Corporation (IBM Thomas J. Watson Research Center)

Baker Hughes Company (Avtas 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.

ENCOS, Inc.

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