

North America Oil & Gas Drones Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 110 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The North America oil and gas drones market is anticipated to grow at a CAGR of around 15.7% from 2022-2027. The COVID-19 outbreak witnessed a significant impact on the oil and gas drone services market due to delays in multiple oil and gas projects. For instance, ADNOC delayed the USD 20 billion Hail and Ghasha offshore sour-gas development project in 2020 due to the COVID-19 pandemic. Major leading companies, such as BP and Shell, have started digitalizing their operation by monitoring and recording data on all three sectors. In addition, rising technological developments toward the enhancement of efficient drones are likely to drive the market growth. Midstream is expected to be the fastest-growing markets in oil and gas industry. Although drones offer most efficient monitoring and cost-effective methods, technological limitations such as low speed, shorter flight time, vulnerability to hackers, and susceptibility to weather are restraining the market growth.

Key Highlights

The introduction and integration of Artificial Intelligence (AI) with the drone coupled with the development of methane gas detection and thermal imaging has been the driving factor leading to the increasing adoption of the drones by the oil and gas operators, and it is expected to propel the market during the forecast timeframe.

The demand for oil and gas infrastructure such as pipelines and refineries is expected to increase due to the soaring energy demand, thus offering more significant business opportunities for the oil and gas drone service providers.

United States is expected to be the primary oil and gas drone services market in 2020. It is projected to be the largest market in terms of revenue during the forecast period due to the increasing adoption of drones across all three sectors, including upstream, midstream, and downstream. Intensifying offshore oil and gas activities across the region is expected to drive the market's growth during the forecast period.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

North America Oil & Gas Drones Market Trends

Integration of Artificial Intelligence (AI) with Drones to Fuel the Market

In the recent past, the drone was required to carry out operations within site. However, the development of AI along with the drone can now hover beyond the line of sight. The integration of AI has helped drones fly beyond the beyond-the-visual-line-of-sight (BVLS) and gather much more data without the need for any human efforts. The data collected proves to be more accurate and can help the oil and gas operator prevent mishaps or leakage during the operation.

Modern drones are faster and smarter in processing the enormous data produced from the assets. As the AI improves, these drones may independently decide for further action through their AI capabilities.

In addition, the integration with AI can also help operators relate the current data with the past data collected and help them maneuver the action required before fatalities in case of leakage and spills.

Further, the AI integrated sensor is now easily able to move inside the closed building and is not prone to collisions with the walls, without the help of any human controlling it. As these technologies keep enhancing, the application for these drones would increase, and, thus, it is expected to drive the market.

United States to Dominate the Market

United States has been the major market for drones in 2020 across the region, and it is expected to be the largest market in terms of market share during the forecast period. The increase in the offshore oil and gas activities in the nation is expected to drive the growth of the market during the forecast period.

The country has an estimated 2 million orphaned wells, out of which Pennsylvania has around 600,000 of abandoned oil wells while New York has approximately 35,000 abandoned oil well. This in turn, has further raised the demand for proper inspection to initiate the exploration and production activities, which is likely to stimulate market growth of drones during the forecast timeline. The recent discoveries in the Gulf of Mexico deepwater are expected to increase the exploration activities in the deepwater and ultra-deepwater sites, while the reserves in the shallow water are declining over the period. This, in turn, is expected to increase in demand for oil and gas drone services in deepwater activities in the United States.

Therefore, the increasing investment in the country's upstream sector by foreign companies and the increase in the oil and gas exploration activities are expected to drive the demand for the oil and gas drone services market in the region.

North America Oil & Gas Drones Market Competitor Analysis

The North American Oil and gas drone service market is moderately fragmented. The key companies operating in the market include Terra Drones, Viper Drones, PrecisionHawk, Sky-Futures, and Cyberhawk Innovations Limited, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Scope of the Study

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 1.2 Market Definition
- 1.3 Study Assumptions

2 EXECUTIVE SUMMARY

3 RESEARCH METHODOLOGY

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Market Size and Demand Forecast in USD million, till 2027
- 4.3 Recent Trends and Developments
- 4.4 Government Policies and Regulations
- 4.5 Market Dynamics
 - 4.5.1 Drivers
 - 4.5.2 Restraints
- 4.6 Supply Chain Analysis
- 4.7 PESTLE Analysis

5 MARKET SEGMENTATION - BY GEOGRAPHY

- 5.1 United States
- 5.2 Canada
- 5.3 Mexico

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Strategies Adopted by Leading Players
- 6.3 Company Profiles
 - 6.3.1 Terra Drones
 - 6.3.2 Viper Drones
 - 6.3.3 PrecisionHawk
 - 6.3.4 Sky futures
 - 6.3.5 SkyX
 - 6.3.6 Cyberhawk Innovations Limited

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

North America Oil & Gas Drones Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 110 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-04"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com