

# Oil and Gas Vapor Recovery Units Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/O8E92B9A1A4FEN.html>

Date: October 2025

Pages: 130

Price: US\$ 4,850.00 (Single User License)

ID: O8E92B9A1A4FEN

## Abstracts

The Global Oil And Gas Vapor Recovery Units Market was valued at USD 896.4 million in 2024 and is estimated to grow at a CAGR of 5.2% to reach USD 1.48 billion by 2034.

The market is gaining traction as stricter environmental policies across key oil-producing regions push operators in both upstream and downstream sectors to adopt vapor recovery units (VRUs) to curb emissions of volatile organic compounds (VOCs). These systems are designed to capture and recover hydrocarbon vapors released during the storage, handling, and processing of volatile liquids such as crude oil and refined fuels. Their growing installation in refineries, terminals, and fuel storage sites reflects their dual benefit of reducing air pollution while reclaiming valuable hydrocarbons, positioning them as a critical component of sustainable oilfield operations. The expansion of crude oil and fuel storage capacity in developing economies is further fueling demand, while global initiatives to limit methane emissions are driving adoption across well pads and compressor stations. Integration of smart technologies such as distributed control systems (DCS) and SCADA-based automation enables real-time monitoring, predictive maintenance, and improved performance visibility, allowing operators to enhance efficiency and maintain environmental compliance.

In 2024, the adsorption-based technology segment accounted for a 33.6% share and is expected to grow at a CAGR of 5% through 2034. The introduction of next-generation adsorbent materials, including high-surface-area composites, is improving vapor recovery performance under challenging field conditions. The shift toward low-maintenance and regenerative adsorption systems is especially beneficial for upstream and midstream facilities that require consistent recovery operations and reliable emission control.

The storage application segment will grow at a CAGR of 5% from 2025 to 2034. Heightened scrutiny over emissions of benzene and VOCs from tank storage operations is increasing the deployment of VRUs in storage facilities. The integration of dual-stage vapor recovery systems in larger tank farms is significantly enhancing hydrocarbon recovery efficiency, helping operators comply with stringent emission standards while minimizing product loss.

North America Oil and Gas Vapor Recovery Units Market will grow at a CAGR of 4.5% through 2034. Regional midstream operators are increasingly utilizing VRUs to manage vapor emissions from condensate stabilization and gas processing activities, improving operational sustainability. Federal climate initiatives focused on methane reduction are further encouraging widespread adoption among upstream producers. The growing emphasis on environmental, social, and governance (ESG) objectives is driving energy companies to invest in advanced recovery solutions and upgrade existing infrastructure to meet evolving sustainability benchmarks.

Leading companies operating in the Oil and Gas Vapor Recovery Units Market include ALMA Group, Cimarron Energy, BORSIG, Cool Sorption, Ingersoll Rand, Flogistix, KAPPA GI, Koch Engineered Solutions, Kilburn Engineering, LeROI, Evonik, PETROGAS, PSG, SCS Technologies, Reynold India, SYMEX Technologies, S&S Technical, Tecam, VOCZero, and Zeeco. To strengthen their market position, companies in the Oil and Gas Vapor Recovery Units Market are adopting diverse growth strategies centered on innovation, partnerships, and global expansion. Many are investing in advanced emission control technologies and modular VRU designs that enable flexible deployment across varied operating environments. Firms are also collaborating with oilfield operators and EPC contractors to deliver turnkey recovery solutions that comply with international environmental standards. Strategic alliances and mergers are enhancing global distribution capabilities, while digital integration through IoT-enabled monitoring systems is improving efficiency and reliability.

## Contents

### **CHAPTER 1 METHODOLOGY & SCOPE**

- 1.1 Research design
  - 1.1.1 Research approach
  - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
  - 1.2.1 Base year calculation
  - 1.2.2 Market estimates & forecast parameters
- 1.3 Forecast
  - 1.3.1 Key trends for market estimates
  - 1.3.2 Quantified market impact analysis
    - 1.3.2.1 Mathematical impact of growth parameters on forecast
  - 1.3.3 Scenario analysis framework
- 1.4 Primary research and validation
  - 1.4.1 Some of the primary sources (but not limited to)
- 1.5 Data mining sources
  - 1.5.1 Paid Sources
  - 1.5.2 Sources, by region
- 1.6 Research trail & scoring components
  - 1.6.1 Research trail components
  - 1.6.2 Scoring components
- 1.7 Research transparency addendum
  - 1.7.1 Source attribution framework
  - 1.7.2 Quality assurance metrics
  - 1.7.3 Our commitment to trust
- 1.8 Market definitions

### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Industry 360° synopsis, 2021 - 2034
- 2.2 Business trends
- 2.3 Technology trends
- 2.4 Application trends
- 2.5 Regional trends

### **CHAPTER 3 INDUSTRY INSIGHTS**

- 3.1 Industry ecosystem analysis
  - 3.1.1 Raw material availability & sourcing analysis
  - 3.1.2 Manufacturing capacity assessment
  - 3.1.3 Supply chain resilience & risk factors
  - 3.1.4 Distribution network analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
  - 3.3.1 Growth drivers
  - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
  - 3.5.1 Bargaining power of suppliers
  - 3.5.2 Bargaining power of buyers
  - 3.5.3 Threat of new entrants
  - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis
  - 3.6.1 Political factors
  - 3.6.2 Economic factors
  - 3.6.3 Social factors
  - 3.6.4 Technological factors
  - 3.6.5 Legal factors
  - 3.6.6 Environmental factors
- 3.7 Cost structure analysis of vapor recovery units
- 3.8 Emerging opportunities & trends
- 3.9 Digitalization and IoT integration
- 3.10 Investment analysis & future outlook

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2025**

- 4.1 Introduction
- 4.2 Company market share analysis, by region, 2024
  - 4.2.1 North America
  - 4.2.2 Europe
  - 4.2.3 Asia Pacific
  - 4.2.4 Middle East & Africa
  - 4.2.5 Latin America
- 4.3 Strategic dashboard
  - 4.3.1 Key partnerships & collaborations
  - 4.3.2 Major M&A activities

- 4.3.3 Product innovations & launches
- 4.3.4 Market expansion strategies
- 4.4 Strategic initiatives
- 4.5 Competitive benchmarking
- 4.6 Innovation & technology landscape

## **CHAPTER 5 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 - 2034 (USD MILLION)**

- 5.1 Key trends
- 5.2 Condensation
- 5.3 Adsorption
- 5.4 Absorption
- 5.5 Compression

## **CHAPTER 6 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 - 2034 (USD MILLION)**

- 6.1 Key trends
- 6.2 Processing
- 6.3 Storage
- 6.4 Transportation

## **CHAPTER 7 MARKET SIZE AND FORECAST, BY REGION, 2021 - 2034 (USD MILLION)**

- 7.1 Key trends
- 7.2 North America
  - 7.2.1 U.S.
  - 7.2.2 Canada
- 7.3 Europe
  - 7.3.1 UK
  - 7.3.2 Germany
  - 7.3.3 France
  - 7.3.4 Italy
  - 7.3.5 Spain
  - 7.3.6 Russia
  - 7.3.7 Norway
  - 7.3.8 Poland

## 7.4 Asia Pacific

7.4.1 China

7.4.2 India

7.4.3 Japan

7.4.4 South Korea

7.4.5 Indonesia

7.4.6 Malaysia

## 7.5 Middle East & Africa

7.5.1 Saudi Arabia

7.5.2 UAE

7.5.3 Qatar

7.5.4 Egypt

7.5.5 Oman

7.5.6 South Africa

7.5.7 Nigeria

## 7.6 Latin America

7.6.1 Brazil

7.6.2 Mexico

7.6.3 Argentina

## **CHAPTER 8 COMPANY PROFILES**

8.1 ALMA Group

8.2 BORSIG

8.3 Cimarron Energy

8.4 Cool Sorption

8.5 Evonik

8.6 Flogistix

8.7 Ingersoll Rand

8.8 KAPPA GI

8.9 Kilburn Engineering

8.10 Koch Engineered Solutions

8.11 LeROI

8.12 PETROGAS

8.13 PSG

8.14 Reynold India

8.15 S&S Technical

8.16 SCS Technologies

8.17 SYMEX Technologies

- 8.18 Tecam
- 8.19 VOCZero
- 8.20 Zeeco

## I would like to order

Product name: Oil and Gas Vapor Recovery Units Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/O8E92B9A1A4FEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/O8E92B9A1A4FEN.html>