

# **Middle East & Africa Turboexpander Market Forecast to 2030 - Regional Analysis - by Loading Device (Compressor, Generator, and Hydraulic/Oil Brake), Power Capacity [Less than 1 MW (Up to 500 KW and 500 KW to 1 MW), 1 MW to 20 MW, and More than 20 MW], and End User (Oil and Gas, Power Generation, and Industrial)**

<https://marketpublishers.com/r/M732AE926FAFEN.html>

Date: August 2024

Pages: 95

Price: US\$ 3,550.00 (Single User License)

ID: M732AE926FAFEN

## **Abstracts**

The Middle East & Africa turboexpander market was valued at US\$ 60.31 million in 2022 and is expected to reach US\$ 80.57 million by 2030; it is estimated to record a CAGR of 3.7% from 2022 to 2030.

### **Technological Advancements Bolster Middle East & Africa Turboexpander Market**

Turbine efficiency is one of the major parameters that determine the efficiency and competence of a turboexpander system. As a turboexpander consumes high power, a slight improvement in turbine effectiveness leads to a major improvement in system efficiency. The aerodynamic performance of turbomachines varies on the mean-line design methodology of the rotor and stator. The flexibility and competence of turboexpanders led to a diversity of configurations, which make them flexible in diverse applications. Increasing focus on turbans with high speed and precision is one of the major trends in the turboexpanders market. In addition, with increasingly varying applications, the demand for advanced turboexpanders consisting of advanced active magnetic bearings, a high-frequency variable-speed drive, and a high-speed permanent magnet generator is also surging. Moreover, the elevating demand for high end machineries in large-scale refineries and gas processing stations are anticipated to boost the advanced turboexpanders market growth during the forecast period.

## Middle East & Africa Turboexpander Market Overview

According to IEA, the Middle East and Africa generates ~95% of its electricity from oil and gas. More than 290 billion cubic meters of gas, or more than one-third of the region's gas production, and 1.75 million barrels of oil per day are consumed by thermal plants in the region. The oil and gas producing economies of the Middle East & Africa rely heavily on fossil fuels, which raises the carbon intensity of their electricity generation by approximately a fifth compared to the global average. As a result, this region is expected to offer promising opportunities for opting for CCUS-EOR projects to achieve carbon neutrality. In May 2023, the Abu Dhabi National Oil Company (ADNOC) granted three contracts totaling US\$ 4 billion to reduce carbon emissions and reach a production capacity of 5 million barrels per day by 2030. The contracts can cover ADNOC's onshore and offshore operations for five years with a two-year extension option. Thus, the growing adoption of carbon-neutral oil and gas production is expected to offer lucrative growth opportunities to the turboexpander market during the forecast period.

## Middle East & Africa Turboexpander Market Revenue and Forecast to 2030 (US\$ Million)

### Middle East & Africa Turboexpander Market Segmentation

The Middle East & Africa turboexpander market is segmented based on loading device, power capacity, end user, and country. Based on loading device, the Middle East & Africa turboexpander market is segmented into compressor, generator, and hydraulic/oil brake. The compressor segment held the largest market share in 2022.

In terms of power capacity, the Middle East & Africa turboexpander market is categorized into less than 1 MW, 1 MW to 20 MW, and more than 20 MW. The 1 MW to 20 MW segment held the largest market share in 2022. The 1 MW to 20 MW segment is further bifurcated into Up to 500 KW and 500 KW to 1 MW.

By end user, the Middle East & Africa turboexpander market is segmented into oil & gas, power generation, and industrial. The oil & gas segment held the largest market share in 2022.

Based on country, the Middle East & Africa turboexpander market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. Saudi Arabia

dominated the Middle East & Africa turboexpander market share in 2022.

Elliott Co, Air Products & Chemicals Inc, Atlas Copco AB, Cryostar SAS, Turboden SpA, L'Air Liquide SA, and Siemens Energy AG are some of the leading players operating in the Middle East & Africa turboexpander market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 Raw Material/Equipment Suppliers
  - 4.2.2 Component Manufacturers
  - 4.2.3 End-User
  - 4.2.4 List of Vendors in the Value Chain

### **5. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET - KEY MARKET DYNAMICS**

- 5.1 Turboexpander Market - Key Market Dynamics
- 5.2 Market Drivers
  - 5.2.1 Rise in Demand for Natural Gas
  - 5.2.2 Application in Energy Recovery and Power Generation Operations
  - 5.2.3 Easy Regulation, Low Maintenance Requirements, and High Efficiency
- 5.3 Market Restraints
  - 5.3.1 Availability of Alternatives
- 5.4 Market Opportunities
  - 5.4.1 Use of Turboexpander as Distributed Generator

- 5.4.2 Development of Cryogenic Expanders
- 5.5 Future Trends
  - 5.5.1 Technological Advancements
- 5.6 Impact of Drivers and Restraints:

## **6. TURBOEXPANDER MARKET - MIDDLE EAST & AFRICA MARKET ANALYSIS**

- 6.1 Turboexpander Market Revenue (US\$ Million), 2020-2030
- 6.2 Turboexpander Market Forecast Analysis

## **7. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET ANALYSIS - BY LOADING DEVICE**

- 7.1 Compressor
  - 7.1.1 Overview
  - 7.1.2 Compressor: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.2 Generator
  - 7.2.1 Overview
  - 7.2.2 Generator: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.3 Hydraulic/Oil Brake
  - 7.3.1 Overview
  - 7.3.2 Hydraulic/Oil Brake: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

## **8. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET ANALYSIS - BY POWER CAPACITY**

- 8.1 Less than 1 MW
  - 8.1.1 Overview
  - 8.1.2 Less than 1 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
    - 8.1.2.1 Up to 500 KW
    - 8.1.2.2 Up to 500 KW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
    - 8.1.2.3 500 KW to 1 MW
    - 8.1.2.4 500 KW to 1 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- 8.2 1 MW to 20 MW

### 8.2.1 Overview

8.2.2 1 MW to 20 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

## 8.3 More than 20 MW

### 8.3.1 Overview

8.3.2 More than 20 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

## **9. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET ANALYSIS - BY END USER**

### 9.1 Oil and Gas

#### 9.1.1 Overview

9.1.2 Oil and Gas: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

### 9.2 Power Generation

#### 9.2.1 Overview

9.2.2 Power Generation: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

### 9.3 Industrial

#### 9.3.1 Overview

9.3.2 Industrial: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

## **10. MIDDLE EAST & AFRICA TURBOEXPANDER MARKET - COUNTRY ANALYSIS**

### 10.1 Middle East & Africa

#### 10.1.1 Middle East & Africa Turboexpander Market Overview

10.1.2 Middle East & Africa: Turboexpander Market - Revenue and Forecast Analysis - by Country

10.1.2.1 Middle East & Africa: Turboexpander Market - Revenue and Forecast Analysis - by Country

10.1.2.2 South Africa: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

10.1.2.2.1 South Africa: Turboexpander Market Breakdown, by Loading Device

10.1.2.2.2 South Africa: Turboexpander Market Breakdown, by Power Capacity

10.1.2.2.3 South Africa: Turboexpander Market Breakdown, by Less Than 1 Mw

10.1.2.2.4 South Africa: Turboexpander Market Breakdown, by End user

10.1.2.3 Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

- 10.1.2.3.1 Saudi Arabia: Turboexpander Market Breakdown, by Loading Device
- 10.1.2.3.2 Saudi Arabia: Turboexpander Market Breakdown, by Power Capacity
- 10.1.2.3.3 Saudi Arabia: Turboexpander Market Breakdown, by Less Than 1 Mw
- 10.1.2.3.4 Saudi Arabia: Turboexpander Market Breakdown, by End user
- 10.1.2.4 UAE: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
  - 10.1.2.4.1 UAE: Turboexpander Market Breakdown, by Loading Device
  - 10.1.2.4.2 UAE: Turboexpander Market Breakdown, by Power Capacity
  - 10.1.2.4.3 UAE: Turboexpander Market Breakdown, by Less Than 1 Mw
  - 10.1.2.4.4 UAE: Turboexpander Market Breakdown, by End user
- 10.1.2.5 Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
  - 10.1.2.5.1 Rest of Middle East & Africa: Turboexpander Market Breakdown, by Loading Device
  - 10.1.2.5.2 Rest of Middle East & Africa: Turboexpander Market Breakdown, by Power Capacity
  - 10.1.2.5.3 Rest of Middle East & Africa: Turboexpander Market Breakdown, by Less Than 1 Mw
  - 10.1.2.5.4 Rest of Middle East & Africa: Turboexpander Market Breakdown, by End user

## **11. INDUSTRY LANDSCAPE**

- 11.1 Overview
- 11.2 Market Initiative
- 11.3 Merger and Acquisition

## **12. COMPANY PROFILES**

- 12.1 Elliott Co
  - 12.1.1 Key Facts
  - 12.1.2 Business Description
  - 12.1.3 Products and Services
  - 12.1.4 Financial Overview
  - 12.1.5 SWOT Analysis
  - 12.1.6 Key Developments
- 12.2 Air Products & Chemicals Inc
  - 12.2.1 Key Facts
  - 12.2.2 Business Description
  - 12.2.3 Products and Services

- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments
- 12.3 Atlas Copco AB
  - 12.3.1 Key Facts
  - 12.3.2 Business Description
  - 12.3.3 Products and Services
  - 12.3.4 Financial Overview
  - 12.3.5 SWOT Analysis
  - 12.3.6 Key Developments
- 12.4 Cryostar SAS
  - 12.4.1 Key Facts
  - 12.4.2 Business Description
  - 12.4.3 Products and Services
  - 12.4.4 Financial Overview
  - 12.4.5 SWOT Analysis
  - 12.4.6 Key Developments
- 12.5 Turboden SpA
  - 12.5.1 Key Facts
  - 12.5.2 Business Description
  - 12.5.3 Products and Services
  - 12.5.4 Financial Overview
  - 12.5.5 SWOT Analysis
  - 12.5.6 Key Developments
- 12.6 L'Air Liquide SA
  - 12.6.1 Key Facts
  - 12.6.2 Business Description
  - 12.6.3 Products and Services
  - 12.6.4 Financial Overview
  - 12.6.5 SWOT Analysis
  - 12.6.6 Key Developments
- 12.7 Siemens Energy AG
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments



## **13. APPENDIX**

### 13.1 About The Insight Partners

## List Of Tables

### LIST OF TABLES

Table 1. Turboexpander Market Segmentation

Table 2. List of Vendors

Table 3. Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

Table 4. Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million) - by Loading Device

Table 5. Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million) - by Power Capacity

Table 6. Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million) - by End user

Table 7. Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Country

Table 8. South Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Loading Device

Table 9. South Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Power Capacity

Table 10. South Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Less Than 1 Mw

Table 11. South Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by End user

Table 12. Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Loading Device

Table 13. Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Power Capacity

Table 14. Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Less Than 1 Mw

Table 15. Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by End user

Table 16. UAE: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Loading Device

Table 17. UAE: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Power Capacity

Table 18. UAE: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Less Than 1 Mw

Table 19. UAE: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by End user

Table 20. Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Loading Device

Table 21. Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Power Capacity

Table 22. Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Less Than 1 Mw

Table 23. Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by End user

## List Of Figures

### LIST OF FIGURES

- Figure 1. Turboexpander Market Segmentation, by Country
- Figure 2. Ecosystem: Turboexpander Market
- Figure 3. Impact Analysis of Drivers and Restraints
- Figure 4. Turboexpander Market Revenue (US\$ Million), 2020-2030
- Figure 5. Turboexpander Market Share (%) - by Loading Device (2022 and 2030)
- Figure 6. Compressor: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 7. Generator: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 8. Hydraulic/Oil Brake: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 9. Turboexpander Market Share (%) - by Power Capacity (2022 and 2030)
- Figure 10. Less than 1 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 11. Up to 500 KW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 12. 500 KW to 1 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 13. 1 MW to 20 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 14. More than 20 MW: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 15. Turboexpander Market Share (%) - by End user (2022 and 2030)
- Figure 16. Oil and Gas: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 17. Power Generation: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 18. Industrial: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)
- Figure 19. Middle East & Africa: Turboexpander Market, by Key Countries - Revenue (2022) (US\$ Million)
- Figure 20. Middle East & Africa: Turboexpander Market Breakdown, by Key Countries, 2022 and 2030 (%)
- Figure 21. South Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)

Figure 22. Saudi Arabia: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)

Figure 23. UAE: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)

Figure 24. Rest of Middle East & Africa: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)

## I would like to order

Product name: Middle East & Africa Turboexpander Market Forecast to 2030 - Regional Analysis - by Loading Device (Compressor, Generator, and Hydraulic/Oil Brake), Power Capacity [Less than 1 MW (Up to 500 KW and 500 KW to 1 MW), 1 MW to 20 MW, and More than 20 MW], and End User (Oil and Gas, Power Generation, and Industrial)

Product link: <https://marketpublishers.com/r/M732AE926FAFEN.html>

Price: US\$ 3,550.00 (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/M732AE926FAFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970