

South & Central America 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/S17E06A1DFB2EN.html>

Date: August 2024

Pages: 95

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

ID: S17E06A1DFB2EN

Abstracts

The South & Central America turboexpander market was valued at US\$ 36.60 million in 2022 and is expected to reach US\$ 53.42 million by 2030; it is estimated to record a CAGR of 4.8% from 2022 to 2030.

Use of Turboexpander as Distributed Generator Fuels South & Central America
Turboexpander Market

Turboexpander is an axial flow or centrifugal turbine used to expand high-pressure gas to generate work that is primarily employed to drive a compressor. This turbine system can be deployed in applications such as ethylene plants, gas transportation, air separation facilities, and refineries to convert the energy of a vapor stream or gas into mechanical work as the vapor or gas expands through the turbine. A turboexpander transforms the wasted energy in the gas into electricity. With the growing demand for cryogenic fluids and advancements in cryogenic industries, the demand for competent turboexpanders is on the rise, especially in space appliances, superconductivity, turbochargers, biomedical and petrochemical industries, and chemical instruments, among others. A turboexpander also works as a distributed generator that can be leveraged to capture the surplus energy. The turboexpander generator decreases gas pressure and transforms the kinetic energy into electrical energy, which can be sold to

the grid. The growing application of turboexpanders, owing to their efficiency and competence in different applications, is anticipated to present opportunities in the turboexpanders market during the forecast period.

South & Central America Turboexpander Market Overview

Brazil's dynamic energy landscape, marked by its status as SAM's leading oil producer, presents a compelling scenario for the accelerated growth of the turboexpander market. With ownership of the world's largest recoverable ultra-deep oil reserves, Brazil's oil production in 2022 reached an average of 3.02 million barrels per day, a 2.47% increase from the previous annual record in 2020. The Brazilian National Agency for Petroleum, Natural Gas, and Biofuels (ANP) reported a total production of 1.1 billion barrels of oil and 50.3 billion cubic meters of natural gas, reflecting the nation's prominence in the global energy landscape.

Brazil's ambitious 2022-2032 Energy Expansion Plan outlines a strategic vision for the future, forecasting a substantial surge in oil production to reach 4.9 million barrels per day by 2032. Pre-salt fields are expected to contribute nearly 80% to this remarkable production growth. In contrast, shallow water and onshore fields are expected to account for a modest 7% of total oil output. Ongoing initiatives such as the Revitalization Program for the Exploration and Production of Onshore Oil and Natural Gas Areas (REATE 2020) and the Revitalization and Incentive Program for the Production of Maritime Fields (Promar) project improvements in the production from these fields, adding further complexity to the evolving energy landscape. The forecasted trajectory positions Brazil to ascend as the world's fifth-largest crude oil exporter by 2030, reinforcing the nation's pivotal role in the global energy market. This monumental growth is intricately tied to the development of pre-salt fields and the rigorous efforts to revitalize onshore and shallow water fields. As Brazil augments its oil and gas production capacities, the demand for cutting-edge technologies such as turboexpanders becomes imperative.

South & Central America Turboexpander Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Turboexpander Market Segmentation

The South & Central America turboexpander market is segmented based on loading device, power capacity, end user, and country. Based on loading device, the South & Central America 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 South & Central America 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 South & Central America 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 South & Central America turboexpander market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America 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 South & Central America 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. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA 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 - SOUTH & CENTRAL AMERICA MARKET ANALYSIS

- 6.1 South & Central America Turboexpander Market Overview
- 6.2 Turboexpander Market Revenue (US\$ Million), 2020-2030
- 6.3 Turboexpander Market Forecast Analysis

7. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA TURBOEXPANDER MARKET - COUNTRY ANALYSIS

10.1 South & Central America

10.1.1 South & Central America: Turboexpander Market - Revenue and Forecast Analysis - by Country

10.1.1.1 South & Central America: Turboexpander Market - Revenue and Forecast Analysis - by Country

10.1.1.2 Brazil: Turboexpander Market - Revenue and Forecast to 2030 (US\$ Million)

10.1.1.2.1 Brazil: Turboexpander Market Breakdown, by Loading Device

10.1.1.2.2 Brazil: Turboexpander Market Breakdown, by Power Capacity

10.1.1.2.3 Brazil: Turboexpander Market Breakdown, by Less Than 1 Mw

10.1.1.2.4 Brazil: Turboexpander Market Breakdown, by End user

10.1.1.3 Argentina: Turboexpander Market - Revenue and Forecast to 2030 (US\$

Million)

10.1.1.3.1 Argentina: Turboexpander Market Breakdown, by Loading Device

10.1.1.3.2 Argentina: Turboexpander Market Breakdown, by Power Capacity

10.1.1.3.3 Argentina: Turboexpander Market Breakdown, by Less Than 1 Mw

10.1.1.3.4 Argentina: Turboexpander Market Breakdown, by End user

10.1.1.4 Rest of South & Central America: Turboexpander Market - Revenue and
Forecast to 2030 (US\$ Million)

10.1.1.4.1 Rest of South & Central America: Turboexpander Market Breakdown, by
Loading Device

10.1.1.4.2 Rest of South & Central America: Turboexpander Market Breakdown, by
Power Capacity

10.1.1.4.3 Rest of South & Central America: Turboexpander Market Breakdown, by
Less Than 1 Mw

10.1.1.4.4 Rest of South & Central America: 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. South & Central America: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Country

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

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

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

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

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

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

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

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

Table 16. Rest of South & Central America: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Loading Device

Table 17. Rest of South & Central America: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Power Capacity

Table 18. Rest of South & Central America: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million) - by Less Than 1 Mw

Table 19. Rest of South & Central America: 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. South & Central America: Turboexpander Market, by Key Countries - Revenue (2022) (US\$ Million)
- Figure 20. South & Central America: Turboexpander Market Breakdown, by Key Countries, 2022 and 2030 (%)
- Figure 21. Brazil: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)
- Figure 22. Argentina: Turboexpander Market - Revenue and Forecast to 2030(US\$

Million)

Figure 23. Rest of South & Central America: Turboexpander Market - Revenue and Forecast to 2030(US\$ Million)

I would like to order

Product name: South & Central America 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/S17E06A1DFB2EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S17E06A1DFB2EN.html>