Global Gas Turbine Services Market Report: Information by Type (Heavy Duty, Industrial, & Aeroderivative), Service (Maintenance & Repair, Overhaul, & Spare Parts Supply), End-Use (Power Generation, Oil & Gas, & Others), Region - Forecast till 2023

Overview

Gas turbine is a combustion engine that converts natural gas or other liquid fuels to mechanical energy. This energy drives a generator that produces electrical energy. Providing various services for gas turbine is derived as gas turbine services market. The global gas turbine services market is expected to expand at ~5.15% CAGR during the forecast period. Global gas turbine services market is expected to witness substantial growth during the forecast period. North America is estimated to be a prominent region for market growth in gas turbine services market due to increase in shale gas production and declining natural gas prices. Similarly, the growing number of initiatives for reducing carbon emissions and the increasing demand for energy are the major factors driving the market growth for Asia-Pacific and Europe during the forecast period. Moreover, Asia-Pacific held the second largest market share in gas turbine services market in 2017, owing to the large reserves of shale gas. For instance, according to the BP Statistical report, China is currently estimated to have 21.8 trillion cubic meters (tcm) of shale gas reserves and is expected to further grow during the forecast period.

The growing need for reduced emissions and sustainable development has increased the use of gas turbines to produce electricity from natural gas. According to EIA, at the end of December 2017, there were 1,820 natural gas-powered electric power plants in the US. Power plant owners usually commit to long term service contracts with service providers. For instance, in January 2018, General Electric signed a 25-year agreement with a consortium formed between Macquarie Group Limited (Australia) and Techint Group (Mexico), to provide complete maintenance and service for the gas turbines and other equipment in their plant.

China, Japan, and India are the fastest growing economies in Asia-Pacific. According to the BP Statistical report published in 2018, Japan’s primary source of electricity is derived from natural gas and accounted for 39.36% of the electricity produced in 2017. Moreover, the overall electricity generated in Japan has increased from 1,002.3 TWh in 2016 to 1,020 TWh in 2017. Hence, increasing trend of power generation from natural gas drives the gas turbine services market in Japan. Additionally, India is taking initiative steps to increase the use of natural gas for power generation. For instance, in July 2018, the Indian Oil Ministry announced that it plans to double the current natural gas production from 35 billion cubic meter (bcm) in 2017 to 72 bcm by 2022. Hence, the contribution from major growing economies is one of the primary factors driving the global gas turbine services market.

Regional Analysis

The global gas turbine services market by region is segmented into North America, Asia-Pacific, Europe, the Middle East & Africa, and South America. North America is expected to hold the largest share in the global gas turbine services market during the forecast period with 27.12% share. The US was the largest market in 2017, valued at USD 3,807.5 million. The growth in gas turbine services in North America can be attributed to Canada, and Mexico, where the increasing use of gas turbine for marine propulsion is increasing at a higher pace. The increasing production of shale gas, growing seaborne trading, and increasing power generation from gas turbines are some of the major factors contributing to the growth of the global gas turbine service market.

Increasing power generation capacities, drives the global gas turbine services market.
Segment Analysis:

The global gas turbine services market has been segmented based on type, service, end-use, and region. On the basis of type, the market is segmented into heavy duty, industrial, and aeroderivative. On the basis of service, the market is segmented into maintenance & repair, overhaul, and spare parts supply. On the basis of end-use, the market is classified into power generation, oil & gas, and others. The power generation industry is expected to dominate the gas turbine services market due to the increasing use of gas turbine in power plants and increase in natural gas driven gas turbines for power generation, which is anticipated to drive the market for gas turbine services, globally.

Companies Covered:

The key players of the global gas turbine services market are MAN SE (Germany), EthosEnergy (US), Proenergy Services (US), Caterpillar (US), MJB International Limited LLC (UAE), Ansaldo Energia (Italy), Sulzer Ltd (Switzerland), Mitsubishi Heavy Industries, Ltd (Japan), BHI Energy (UK), General Electric (US), Siemens (Germany), Kawasaki Heavy Industries Ltd (Japan), and MTU Aero Engines (Germany).

Key Developments

- On May 2018, General Electric (US) established a new business unit for servicing and upgrading other original equipment manufacturers for gas turbines. The services include advanced thermal barrier coatings, proprietary alloys, and enhanced cooling in turbine and combustion components.
- In January 2019, Siemens (Germany) signed a long-term service contract with Cooperative Energy’s in Purvis, Mississippi, the US. Through this contract, it will provide gas turbine services, which include parts, repairs, field services, program management, and offerings from Siemens’ digital services portfolio, including remote monitoring and diagnostics.
- In January 2019, Mitsubishi Hitachi Power Systems Ltd, a subsidiary of Mitsubishi Heavy Industries Ltd. (Japan), provided a gas turbine with a capacity of 993MW in Willis, Texas, the US. It also provided its advance technologies, such as TOMONI digital system and related services.
- In May 2017, Caterpillar (US), acquired Turbomach SA (Switzerland), which manufactures and provides services for gas turbines and related machinery. This acquisition increased the company’s market share in the global gas turbines market.

Analysis Period:

- Base Year - 2017
- Projection Period - From 2018 to 2023
- Market Valuation - USD Million

By Type
• Heavy-Duty
• Industrial
• Aeroderivative

By Service
• Maintenance and Repair
• Overhaul
• Spare Parts

By End-Use
• Power Generation
• Oil & Gas
• Others

By Region
North America
• US
• Canada
• Mexico

Asia-Pacific
• China
• Japan
• India
• South Korea
• Malaysia
• Rest of Asia-Pacific

Europe
• Germany
• UK
• Russia
• Italy
• Rest of Europe

Middle East & Africa
• Saudi Arabia
• Iran
• UAE
• Egypt
• Rest of Middle East & Africa

South America
• Brazil
• Argentina
• Rest of South America

Key questions addressed by the report:
• What was the historic market size (2017)?
• Which segmentation (Type / Service/ End-Use Industry) is driving the market?
• What will be the growth rate by 2023?
• How are the key players in this market?
• What are the strategies adopted by key players?
The global Gas Turbine Services market is expected to reach USD 30,472.2 million in 2023.

Global Gas Turbine Services Market Share, by Region, 2017

North America is projected to hold the largest share in the global Gas Turbine Services market during the forecast period with 27.12% market share.

Drivers:
- Upgrade of Ageing Fleet of Gas Turbines
- Shale Gas Production Boom

Restraints:
- Increasing Use of Renewable Energy Sources for Power Generation

Key Players:
- GE
- Siemens
- Mitsubishi Heavy Industries, Ltd.
- MTU Aero Engines
- Caterpillar
- Kawasaki

TABLE OF CONTENTS

1 EXECUTIVE SUMMARY

2 MARKET INTRODUCTION
- 2.1 Definition 16
- 2.2 Scope of the Study 16
- 2.3 Market Structure 16
| 3 | RESEARCH METHODOLOGY |
| 4 | MARKET DYNAMICS      |
| 5 | GLOBAL GAS TURBINE SERVICES MARKET, BY TYPE |
| 6 | GLOBAL GAS TURBINE SERVICES MARKET, BY SERVICE |
| 7 | GLOBAL GAS TURBINE SERVICES MARKET, BY REGION |
| 8 | COMPETITIVE LANDSCAPE |
| 9 | COMPANY PROFILES     |
| 10| LIST OF TABLES       |
| 11| LIST OF FIGURES      |