

Gas Turbine Market by Technology (Open Cycle and Combined Cycle), Design Type (Heavy Duty and Aeroderivative), End User (Power Generation, Oil & Gas), Rated Capacity (1–40 MW, 40–120 MW, 120–300 MW, Above 300 MW) and Region - Global Forecast to 2026

https://marketpublishers.com/r/GF7A8815774EN.html

Date: January 2022 Pages: 223 Price: US\$ 4,950.00 (Single User License) ID: GF7A8815774EN

Abstracts

The gas turbine market was valued at USD 18.9 Billion in 2021 and is projected to reach USD 22.5 Billion by 2026, at a CAGR of 3.6% during the forecast period. The gas turbine market is on course for intense growth across different end use industries such as power generation, oil & gas, and other industrial. The other industrial segment includes mechanical drive processes in the steel, aluminum, and manufacturing industries.

"Heavy duty segment dominated the gas turbine market in 2020"

By design type, heavy duty segment dominated the market in 2020. Demand for large gas turbines for power generation is rising due to the stringent emissions standards and high-efficiency standards across the globe. Combined cycle plants with heavy duty turbines enable high flexibility and low emissions.

"Combined Cycle dominated the gas turbine market in 2020"

By technology, combined cycle segment accounted for the largest share of the gas turbine market in 2020. These plants offer nearly one-third more power for approximately the same fuel costs. They also have lower total emissions since the exhaust is utilized for other operational purposes.



"Asia Pacific dominated the gas turbine market in 2020"

Asia Pacific market accounted for the largest share in 2020. Investment in new large gas-fired combined cycle power generation plants and large coal-fired plants, along with rising electricity demand, is expected to drive the Asia Pacific gas turbines market's growth over the next five years.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 65%, Tier 2 – 20%, and Tier 3 – 15% By Designation: C-level – 25%, Director Level – 30%, and Others– 45%

By Region: Asia Pacific – 40%, North America – 30%, Europe – 20%, South America – 3%, Middle East & Africa – 7%

The key market players include Kawasaki Heavy Industries, Ltd. (Japan), Siemens Energy (Germany), Capstone Green Energy Corporation (US), General Electric (US), Ansaldo Energia (Italy), Mitsubishi Heavy Industries, Ltd. (Japan), United Engine Corporation (Russia), Rolls-Royce plc (England), Harbin Electric Machinery Company Limited (China), OPRA Turbines (Netherlands), Solar Turbines Incorporated (US), Bharat Heavy Electricals Limited (India), Centrax Gas Turbine (England), MTU Aero Engines AG (Germany), IHI Corporation (Japan), Wartsila (Finland), Doosan Heavy Industries & Construction (South Korea), MAPNA Group (Iran), Vericor Power Systems (US), Zorya Mashproekt (Ukraine), MAN Energy Solutions (Germany). These players have adopted product launches, contracts, partnerships, agreements, collaborations, Memorandum of Understanding (MoU), and joint ventures as their growth strategies.

Research Coverage:

The report defines, segments, and projects the gas turbine market based on, design type, technology, rated capacity, end user, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It analyzes competitive developments, such product launches, contracts, partnerships, agreements, collaborations, undertaken by the players in the market.



Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the gas turbine market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.



Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
- 1.3.1 MARKET SEGMENTATION
- 1.3.2 REGIONAL SCOPE
- **1.4 INCLUSIONS & EXCLUSIONS**
- 1.4.1 GAS TURBINE MARKET, BY REGION: INCLUSIONS & EXCLUSIONS
- 1.4.2 YEARS CONSIDERED FOR STUDY
- 1.5 CURRENCY
- 1.6 UNIT CONSIDERED
- **1.7 RESEARCH LIMITATIONS**
- 1.8 STAKEHOLDERS
- 1.9 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 GAS TURBINE MARKET: RESEARCH DESIGN

- 2.1.1 SECONDARY DATA
- 2.1.1.1 Key data from secondary sources
- 2.1.2 PRIMARY DATA
- 2.1.2.1 Key data from primary sources
- 2.1.2.2 Breakdown of primary interviews
- 2.2 MATRIX CONSIDERED FOR DEMAND-SIDE

FIGURE 2 MAIN MATRIX CONSIDERED WHILE CONSTRUCTING AND ASSESSING DEMAND FOR GAS TURBINE

2.3 MARKET SIZE ESTIMATION

2.3.1 BOTTOM-UP APPROACH

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH 2.3.2 TOP-DOWN APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH FIGURE 5 METHODOLOGY FOR SUPPLY-SIDE SIZING OF GAS TURBINE MARKET FIGURE 6 METHODOLOGY FOR SUPPLY-SIDE SIZING OF GAS TURBINE MARKET (2/2)

2.3.2.1 Calculations for supply-side analysis



2.3.3 FORECAST
2.4 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST
2.5 DATA TRIANGULATION
FIGURE 7 GAS TURBINE MARKET: DATA TRIANGULATION
2.6 KEY ASSUMPTIONS WHILE CALCULATING DEMAND-SIDE MARKET SIZE
2.7 LIMITATIONS
2.8 RISK ANALYSIS

3 EXECUTIVE SUMMARY

TABLE 1 GAS TURBINE MARKET SNAPSHOT FIGURE 8 ASIA PACIFIC HELD LARGEST SHARE OF GAS TURBINE MARKET IN 2020 FIGURE 9 COMBINED CYCLE SEGMENT IS EXPECTED TO LEAD GAS TURBINE MARKET, BY TECHNOLOGY, DURING FORECAST PERIOD FIGURE 10 POWER GENERATION WAS LARGEST END-USER SEGMENT FOR GAS TURBINES IN 2020 FIGURE 11 GAS TURBINES OF ABOVE 300 MW RATING CAPACITY ARE EXPECTED TO DOMINATE MARKET DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 SIGNIFICANT OPPORTUNITIES IN GAS TURBINE MARKET FIGURE 12 REPLACEMENT OF PHASED NUCLEAR & COAL POWER PLANTS ALONG WITH REQUIREMENT OF EFFICIENT POWER GENERATION TECHNOLOGY IS EXPECTED TO DRIVE GAS TURBINE MARKET GROWTH 4.2 GAS TURBINE MARKET, BY REGION FIGURE 13 GAS TURBINE MARKET IN SOUTH AMERICA IS EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD 4.3 GAS TURBINE MARKET, BY TECHNOLOGY FIGURE 14 COMBINED CYCLE SEGMENT HELD LARGEST SIZE OF GAS TURBINE MARKET IN 2020 4.4 GAS TURBINE MARKET, BY DESIGN TYPE FIGURE 15 HEAVY DUTY SEGMENT DOMINATED GAS TURBINE MARKET IN 2020 4.5 GAS TURBINE MARKET. BY RATED CAPACITY FIGURE 16 ABOVE 300 MW SEGMENT DOMINATED GAS TURBINE MARKET IN 2020 4.6 GAS TURBINE MARKET, BY END-USER FIGURE 17 POWER GENERATION SEGMENT DOMINATED GAS TURBINE



MARKET IN 2020

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS

FIGURE 18 MARKET DYNAMICS FOR GAS TURBINE MARKET

- 5.2.1 DRIVERS
- 5.2.1.1 Increasing demand for natural gas-fired power plants
- FIGURE 19 NATURAL GAS CONSUMPTION, 2017–2019
 - 5.2.1.2 Rising demand for electricity
- FIGURE 20 GLOBAL ELECTRICITY GENERATION, 2016–2020
- FIGURE 21 ELECTRICITY GENERATION OF SOME MAJOR COUNTRIES,
- 2016-2020

FIGURE 22 ELECTRICITY GENERATION BY NATURAL GAS OF SOME MAJOR COUNTRIES

- 5.2.1.3 Efficient power generation technology
- 5.2.1.4 Reduction in emission of carbon dioxide
- 5.2.1.5 Impact of shale gas

FIGURE 23 IMPACT OF DRIVERS ON GAS TURBINE MARKET

- **5.2.2 RESTRAINTS**
- 5.2.2.1 Natural gas price volatility
- 5.2.2.2 Natural gas infrastructure concerns
- FIGURE 24 IMPACT OF RESTRAINTS ON GAS TURBINE MARKET
 - 5.2.3 OPPORTUNITIES
 - 5.2.3.1 Increased trend of distributed power generation
 - 5.2.3.2 Replacement of phased out nuclear & coal plants
- FIGURE 25 US: NATURAL GAS EXPORT, 2016–2020
- FIGURE 26 IMPACT OF OPPORTUNITIES ON GAS TURBINE MARKET
 - 5.2.4 CHALLENGES
 - 5.2.4.1 Shifting focus toward renewable energy
 - 5.2.4.2 Impact of COVID-19 on gas turbine market
- FIGURE 27 IMPACT OF CHALLENGES ON GAS TURBINE MARKET
- 5.3 PORTER'S FIVE FORCES ANALYSIS
- FIGURE 28 GAS TURBINE MARKET: PORTER'S FIVE FORCES ANALYSIS
- TABLE 2 GAS TURBINE MARKET: PORTER'S FIVE FORCES ANALYSIS
- 5.3.1 THREAT OF NEW ENTRANTS
- 5.3.2 THREAT OF SUBSTITUTES
- 5.3.3 BARGAINING POWER OF SUPPLIERS



5.3.4 BARGAINING POWER OF BUYERS 5.3.5 INTENSITY OF COMPETITIVE RIVALRY 5.4 ECOSYSTEM/MARKET MAP FIGURE 29 GAS TURBINE MARKET: ECOSYSTEM/MARKET MAP 5.5 PRICING ANALYSIS TABLE 3 AVERAGE PRICE OF GAS TURBINE, BY TECHNOLOGY FIGURE 30 INSTALLED COST FOR GAS TURBINE 5.6 CASE STUDY ANALYSIS 5.6.1 CASE STUDY 1 5.6.1.1 2 MS6001B Gas turbine & GTE EcoValue 400i Water Wash System 5.6.2 CASE STUDY 2 5.6.2.1 CHP System for a Chemical Manufacturer: 30 MW-class CHP System with Green Gas Turbine for Chemical Manufacturing 5.7 IMPACT OF COVID-19 ON SUPPLY CHAIN 5.8 VALUE CHAIN FIGURE 31 GAS TURBINE MARKET: VALUE CHAIN 5.9 REGULATORY LANDSCAPE 5.10 TECHNOLOGY ANALYSIS 5.10.1 NEW REDUCED EMISSIONS 5.10.2 NEW TURBINES 5.10.3 ADAPTING TO AN EXTENDED FUEL SPECTRUM 5.11 TRADE DATA 5.11.1 GAS TURBINE IMPORT DATA 5.11.2 GAS TURBINE EXPORT DATA **5.12 PATENT ANALYSIS** 5.12.1 METHODOLOGY 5.12.2 DOCUMENT TYPE FIGURE 32 NUMBER OF GRANTED PATENT, PATENT APPLICATION, AND I IMITED PATENT FIGURE 33 PUBLICATION TRENDS - LAST 10 YEARS 5.13 INSIGHT 5.13.1 LEGAL STATUS OF THE PATENTS FIGURE 34 LEGAL STATUS OF THE PATENTS 5.13.2 JURISDICTION ANALYSIS FIGURE 35 TOP JURISDICTION- BY DOCUMENT **5.13.3 TOP COMPANIES/APPLICANTS** FIGURE 36 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS TABLE 4 LIST OF PATENTS BY UNITED TECHNOLOGIES CORP



TABLE 5 LIST OF PATENTS BY GEN ELECTRIC TABLE 6 LIST OF PATENTS BY SIEMENS AG TABLE 7 TOP 10 PATENT OWNERS (US) IN LAST 10 Y EARS

6 GAS TURBINE MARKET, BY DESIGN TYPE

6.1 INTRODUCTION

FIGURE 37 HEAVY DUTY SEGMENT TO LEAD GAS TURBINE MARKET DURING FORECAST PERIOD

TABLE 8 GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017–2020 (USD MILLION)

TABLE 9 GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021–2026 (USD MILLION)

6.2 HEAVY DUTY

6.2.1 INCREASED NUMBER OF GAS-FIRED POWER PLANTS TO ENHANCE DEMAND FOR HEAVY DUTY SEGMENT

TABLE 10 HEAVY DUTY: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 11 HEAVY DUTY: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

6.3 AERODERIVATIVE

6.3.1 DEMAND FOR HIGHLY EFFICIENT SIMPLE CYCLE GAS TURBINES IS EXPECTED TO PROPEL DEMAND

TABLE 12 AERODERIVATIVE: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 13 AERODERIVATIVE: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

7 GAS TURBINE MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

FIGURE 38 COMBINED CYCLE SEGMENT TO LEAD GAS TURBINE MARKET DURING FORECAST PERIOD

TABLE 14 GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 15 GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

7.2 OPEN CYCLE

7.2.1 LOW COST AND LESSER SPACE REQUIREMENT OF OPEN CYCLE GAS



TURBINE IS EXPECTED TO ENHANCE DEMAND OF SEGMENT TABLE 16 OPEN CYCLE: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION) TABLE 17 OPEN CYCLE: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION) 7.3 COMBINED CYCLE 7.3.1 MORE POWER AND LOWER EMISSION WILL DRIVE MARKET FOR THIS SEGMENT TABLE 18 COMBINED CYCLE: GAS TURBINE MARKET SIZE, BY REGION,

2017-2020 (USD MILLION)

TABLE 19 COMBINED CYCLE: GAS TURBINE MARKET SIZE, BY REGION,

2021-2026 (USD MILLION)

8 GAS TURBINE MARKET, BY RATED CAPACITY

8.1 INTRODUCTION

FIGURE 39 ABOVE 300 MV SEGMENT TO LEAD GAS TURBINE MARKET DURING FORECAST PERIOD

TABLE 20 GAS TURBINE MARKET SIZE, BY RATED CAPACITY, 2017–2020 (USD MILLION)

TABLE 21 GAS TURBINE MARKET SIZE, BY RATED CAPACITY, 2021–2026 (USD MILLION)

8.2 1–40 MW

8.2.1 INCREASING INVESTMENT IN DISTRIBUTED POWER GENERATION IS EXPECTED TO ENHANCE DEMAND FOR SEGMENT

TABLE 22 1–40 MW: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 23 1–40 MW: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

8.3 40–120 MW

8.3.1 INCREASED COGENERATION APPLICATIONS IN CHP PLANTS WILL ENHANCE MARKET SEGMENT

TABLE 24 40–120 MW: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 25 40–120 MW: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

8.4 120–300 MW

8.4.1 GROWING DEMAND FOR COMBINED CYCLE POWER PLANTS IS EXPECTED TO ENHANCE DEMAND



TABLE 26 120–300 MW: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 27 120–300 MW: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

8.5 ABOVE 300 MW

8.5.1 REPLACEMENT OF OLD COAL-FIRED POWER GENERATION CAPACITY WILL BE DRIVING FACTOR FOR SEGMENT

TABLE 28 ABOVE 300 MW: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 29 ABOVE 300 MW: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

9 GAS TURBINE MARKET, BY END-USER

9.1 INTRODUCTION

FIGURE 40 POWER GENERATION SEGMENT TO LEAD GAS TURBINE MARKET DURING FORECAST PERIOD

TABLE 30 GAS TURBINE MARKET SIZE, BY END-USER, 2017–2020 (USD MILLION) TABLE 31 GAS TURBINE MARKET SIZE, BY END-USER, 2021–2026 (USD MILLION) 9.2 POWER GENERATION

9.2.1 GROWING ELECTRICITY DEMAND IS EXPECTED TO ENHANCE DEMAND FOR GAS TURBINES IN POWER GENERATION

TABLE 32 POWER GENERATION: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 33 POWER GENERATION: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

9.3 OIL & GAS

9.3.1 VARIOUS APPLICATION OF GAS TURBINE IN OIL & GAS INDUSTRY IS EXPECTED TO FUEL DEMAND FOR SEGMENT

TABLE 34 OIL & GAS: GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 35 OIL & GAS: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

9.4 OTHER INDUSTRIES

TABLE 36 OTHER INDUSTRIES: GAS TURBINE MARKET SIZE, BY REGION,2017–2020 (USD MILLION)

TABLE 37 OTHER INDUSTRIES: GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)



10 GAS TURBINE MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 41 REGIONAL SNAPSHOT: RAPID GROWTH IN DEVELOPING MARKETS TABLE 38 GAS TURBINE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION) TABLE 39 GAS TURBINE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION) **10.2 ASIA PACIFIC** FIGURE 42 ASIA PACIFIC GAS TURBINE MARKET SNAPSHOT TABLE 40 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017-2020 (USD MILLION) TABLE 41 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021-2026 (USD MILLION) TABLE 42 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017-2020 (USD MILLION) TABLE 43 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021-2026 (USD MILLION) TABLE 44 ASIA PACIFIC: GAS TURBINE SIZE, BY RATED CAPACITY, 2017–2020 (USD MILLION) TABLE 45 ASIA PACIFIC: GAS TURBINE SIZE, BY RATED CAPACITY, 2021-2026 (USD MILLION) TABLE 46 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY END-USER, 2017-2020 (USD MILLION) TABLE 47 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY END-USER, 2021-2026 (USD MILLION) TABLE 48 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY COUNTRY

2017-2020 (USD MILLION)

TABLE 49 ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY COUNTRY

2021-2026 (USD MILLION)

10.2.1 CHINA

10.2.1.1 Increase in electricity demand is driving growth of gas turbine market TABLE 50 CHINA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 51 CHINA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.2.2 INDIA



10.2.2.1 India is moving towards a hydrogen economy, driving growth of gas turbine market

TABLE 52 INDIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 53 INDIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.2.3 JAPAN

10.2.3.1 Japan's increase in natural gas consumption drives gas turbine market TABLE 54 JAPAN: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 55 JAPAN: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.2.4 SOUTH KOREA

10.2.4.1 Natural gas consumption is expected to increase due to increased electricity TABLE 56 SOUTH KOREA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 57 SOUTH KOREA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.2.5 REST OF ASIA PACIFIC

TABLE 58 REST OF ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY

TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 59 REST OF ASIA PACIFIC: GAS TURBINE MARKET SIZE, BY

TECHNOLOGY, 2021–2026 (USD MILLION)

10.3 EUROPE

FIGURE 43 EUROPE: GAS TURBINE MARKET SNAPSHOT

TABLE 60 EUROPE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 61 EUROPE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 62 EUROPE: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017–2020 (USD MILLION)

TABLE 63 EUROPE: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021–2026 (USD MILLION)

TABLE 64 EUROPE: GAS TURBINE SIZE, BY RATED CAPACITY, 2017–2020 (USD MILLION)

TABLE 65 EUROPE: GAS TURBINE SIZE, BY RATED CAPACITY, 2021–2026 (USD MILLION)

TABLE 66 EUROPE: GAS TURBINE MARKET SIZE, BY END–USER, 2017–2020 (USD MILLION)



TABLE 67 EUROPE: GAS TURBINE MARKET SIZE, BY END–USER, 2021–2026 (USD MILLION) TABLE 68 EUROPE: GAS TURBINE MARKET SIZE, BY COUNTRY

2017-2020 (USD MILLION)

TABLE 69 EUROPE: GAS TURBINE MARKET SIZE, BY COUNTRY

2021-2026 (USD MILLION)

10.3.1 GERMANY

10.3.1.1 Increase in demand for new gas-fired power plant capacity, expected to drive gas turbine market in Germany

TABLE 70 GERMANY: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 71 GERMANY: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.3.2 UK

10.3.2.1 Focus on renewables and natural gas-driven energy drives demand for gas turbine

TABLE 72 UK: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 73 UK: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.3.3 ITALY

10.3.3.1 Natural gas being one of the major sources of power generation, is expected to drive market

TABLE 74 ITALY: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 75 ITALY: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.3.4 RUSSIA

10.3.4.1 Growing investments related to natural gas and its usage will fuel gas turbine market

TABLE 76 RUSSIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 77 RUSSIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.3.5 REST OF EUROPE



TABLE 78 REST OF EUROPE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 79 REST OF EUROPE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.4 NORTH AMERICA

FIGURE 44 NORTH AMERICAN GAS TURBINE MARKET SNAPSHOT

TABLE 80 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 81 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 82 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017–2020 (USD MILLION)

TABLE 83 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021–2026 (USD MILLION)

TABLE 84 NORTH AMERICA: GAS TURBINE SIZE, BY RATED CAPACITY, 2017–2020 (USD MILLION)

TABLE 85 NORTH AMERICA: GAS TURBINE SIZE, BY RATED CAPACITY, 2021–2026 (USD MILLION)

TABLE 86 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY END–USER, 2017–2020 (USD MILLION)

TABLE 87 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY END–USER, 2021–2026 (USD MILLION)

TABLE 88 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY COUNTRY

2017-2020 (USD MILLION)

TABLE 89 NORTH AMERICA: GAS TURBINE MARKET SIZE, BY COUNTRY

2021-2026 (USD MILLION)

10.4.1 US

10.4.1.1 Growth of new cogeneration and combined cycle power plants is expected to drive market

TABLE 90 US: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 91 US: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.4.2 CANADA

10.4.2.1 Growing number of combined cycle natural gas-fired power plants is



expected to drive market

TABLE 92 CANADA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 93 CANADA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.4.3 MEXICO

10.4.3.1 Growing investments in power sector will lead to an increase in demand for gas turbine

TABLE 94 MEXICO: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 95 MEXICO: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.5 MIDDLE EAST & AFRICA

TABLE 96 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 97 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 98 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017–2020 (USD MILLION)

TABLE 99 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021–2026 (USD MILLION)

TABLE 100 MIDDLE EAST & AFRICA: GAS TURBINE SIZE, BY RATED CAPACITY, 2017–2020 (USD MILLION)

TABLE 101 MIDDLE EAST & AFRICA: GAS TURBINE SIZE, BY RATED CAPACITY, 2021–2026 (USD MILLION)

TABLE 102 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY END-USER, 2017–2020 (USD MILLION)

TABLE 103 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY END-USER, 2021–2026 (USD MILLION)

TABLE 104 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 105 MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.5.1 SAUDI ARABIA

10.5.1.1 Efforts to increase natural gas-fired power generation are expected to boost Saudi Arabia's demand for gas turbine market

TABLE 106 SAUDI ARABIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 107 SAUDI ARABIA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY,



2021-2026 (USD MILLION)

10.5.2 UAE

10.5.2.1 Growing demand for electricity is expected to drive market

TABLE 108 UAE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 109 UAE: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.5.3 IRAN

10.5.3.1 Growing domestic demand for power is expected to drive gas turbine market TABLE 110 IRAN: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 111 IRAN: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.5.4 EGYPT

10.5.4.1 Natural gas being major electricity generation fuel, is expected to propel demand for gas turbine

TABLE 112 EGYPT: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 113 EGYPT: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.5.5 REST OF MIDDLE EAST & AFRICA

TABLE 114 REST OF MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 115 REST OF MIDDLE EAST & AFRICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.6 SOUTH AMERICA

TABLE 116 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 117 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 118 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2017–2020 (USD MILLION)

TABLE 119 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY DESIGN TYPE, 2021–2026 (USD MILLION)

TABLE 120 SOUTH AMERICA: GAS TURBINE SIZE, BY RATED CAPACITY,2017–2020 (USD MILLION)

TABLE 121 SOUTH AMERICA: GAS TURBINE SIZE, BY RATED CAPACITY,2021–2026 (USD MILLION)

TABLE 122 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY END-USER,



2017-2020 (USD MILLION)

TABLE 123 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY END–USER, 2021–2026 (USD MILLION)

TABLE 124 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 125 SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.6.1 BRAZIL

10.6.1.1 Country's oil & gas sector is expected to boost gas turbine market TABLE 126 BRAZIL: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 127 BRAZIL: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.6.2 ARGENTINA

10.6.2.1 Growing utilization of natural gas for production of electricity is expected to be one of the major growth factors for gas turbines in country

TABLE 128 ARGENTINA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 129 ARGENTINA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

10.6.3 REST OF SOUTH AMERICA

TABLE 130 REST OF SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 131 REST OF SOUTH AMERICA: GAS TURBINE MARKET SIZE, BY TECHNOLOGY, 2021–2026 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 KEY PLAYERS' STRATEGIES

TABLE 132 OVERVIEW OF KEY STRATEGIES ADOPTED BY TOP PLAYERS, 2018–2021

11.2 REVENUE ANALYSIS

FIGURE 45 REVENUE SHARE ANALYSIS IN GAS TURBINE MARKET

11.3 MARKET SHARE ANALYSIS

FIGURE 46 GAS TURBINE MARKET: MARKET SHARE ANALYSIS

TABLE 133 GAS TURBINE MARKET: DEGREE OF COMPETITION

11.3.1 GENERAL ELECTRIC

11.3.2 MITSUBISHI HEAVY INDUSTRIES, LTD.

11.3.3 SIEMENS ENERGY



11.3.4 ANSALDO ENERGIA

11.3.5 UNITED ENGINE CORPORATION

11.3.6 KAWASAKI HEAVY INDUSTRIES, LTD.

TABLE 134 GAS TURBINE MARKET: TECHNOLOGY FOOTPRINT

TABLE 135 GAS TURBINE MARKET: DESIGN FOOTPRINT

TABLE 136 GAS TURBINE MARKET: REGION FOOTPRINT

11.4 COMPANY EVALUATION QUADRANT

11.4.1 STARS

11.4.2 PERVASIVE

11.4.3 EMERGING LEADERS

11.4.4 PARTICIPANTS

FIGURE 47 GAS TURBINE MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2020

11.5 COMPETITIVE LEADERSHIP MAPPING OF SME, 2020

- 11.5.1 PROGRESSIVE COMPANIES
- 11.5.2 RESPONSIVE COMPANIES
- 11.5.3 STARTING BLOCKS
- 11.5.4 DYNAMIC COMPANIES

FIGURE 48 OTHER ADDITIONAL PLAYERS/SMES EVALUATION MATRIX FOR GAS TURBINE MARKET

11.6 COMPETITIVE SCENARIO

TABLE 137 GAS TURBINE MARKET: PRODUCT LAUNCHES, 2018–2021

TABLE 138 GAS TURBINE MARKET: DEALS, 2018–2021

TABLE 139 GAS TURBINE MARKET: OTHER DEVELOPMENTS, 2018–2021

12 COMPANY PROFILES

(Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

12.1.1 GENERAL ELECTRIC TABLE 140 GENERAL ELECTRIC: COMPANY OVERVIEW FIGURE 49 GENERAL ELECTRIC: COMPANY SNAPSHOT TABLE 141 GENERAL ELECTRIC: PRODUCT OFFERINGS TABLE 142 GENERAL ELECTRIC: PRODUCT LAUNCHES TABLE 143 GENERAL ELECTRIC: DEAL TABLE 144 GENERAL ELECTRIC: OTHERS 12.1.2 MITSUBISHI HEAVY INDUSTRIES, LTD.

TABLE 145 MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY OVERVIEW



FIGURE 50 MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT TABLE 146 MITSUBISHI HEAVY INDUSTRIES, LTD.: PRODUCT OFFERINGS TABLE 147 MITSUBISHI HEAVY INDUSTRIES, LTD.: DEAL TABLE 148 MITSUBISHI HEAVY INDUSTRIES, LTD.: OTHERS **12.1.3 SIEMENS ENERGY** TABLE 149 SIEMENS ENERGY: COMPANY OVERVIEW FIGURE 51 SIEMENS ENERGY: COMPANY SNAPSHOT TABLE 150 SIEMENS ENERGY: PRODUCT OFFERINGS TABLE 151 SIEMENS ENERGY: DEALS 12.1.4 ANSALDO ENERGIA TABLE 152 ANSALDO ENERGIA: COMPANY OVERVIEW FIGURE 52 ANSALDO ENERGIA: COMPANY SNAPSHOT TABLE 153 ANSALDO ENERGIA: PRODUCT OFFERINGS TABLE 154 ANSALDO ENERGIA: PRODUCT LAUNCHES TABLE 155 ANSALDO ENERGIA: DEALS TABLE 156 ANSALDO ENERGIA: OTHERS **12.1.5 UNITED ENGINE CORPORATION** TABLE 157 UNITED ENGINE CORPORATION: COMPANY OVERVIEW TABLE 158 UNITED ENGINE CORPORATION: PRODUCT OFFERINGS TABLE 159 UNITED ENGINE CORPORATION: OTHERS 12.1.6 KAWASAKI HEAVY INDUSTRIES, LTD. TABLE 160 KAWASAKI HEAVY INDUSTRIES, LTD.: COMPANY OVERVIEW FIGURE 53 KAWASAKI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT TABLE 161 KAWASAKI HEAVY INDUSTRIES, LTD.: PRODUCT OFFERINGS TABLE 162 KAWASAKI HEAVY INDUSTRIES, LTD.: DEALS TABLE 163 KAWASAKI HEAVY INDUSTRIES, LTD.: OTHERS **12.1.7 CAPSTONE GREEN ENERGY CORPORATION** TABLE 164 CAPSTONE GREEN ENERGY CORPORATION: COMPANY OVERVIEW FIGURE 54 CAPSTONE GREEN ENERGY CORPORATION: COMPANY SNAPSHOT TABLE 165 CAPSTONE GREEN ENERGY CORPORATION: PRODUCT OFFERINGS TABLE 166 CAPSTONE GREEN ENERGY CORPORATION: DEALS 12.1.8 ROLLS-ROYCE PLC TABLE 167 ROLLS-ROYCE PLC: COMPANY OVERVIEW FIGURE 55 ROLLS-ROYCE PLC: COMPANY SNAPSHOT

TABLE 168 ROLLS-ROYCE PLC: PRODUCT OFFERINGS

12.1.9 HARBIN ELECTRIC MACHINERY COMPANY LIMITED TABLE 169 HARBIN ELECTRIC MACHINERY COMPANY LIMITED: COMPANY OVERVIEW

FIGURE 56 HARBIN ELECTRIC MACHINERY COMPANY LIMITED: COMPANY



SNAPSHOT

TABLE 170 HARBIN ELECTRIC MACHINERY COMPANY LIMITED: PRODUCT OFFERINGS

12.1.10 OPRA TURBINES TABLE 171 OPRA TURBINES: COMPANY OVERVIEW **TABLE 172 OPRA TURBINES: PRODUCT OFFERINGS** TABLE 173 OPRA TURBINES: DEALS **12.1.11 SOLAR TURBINES INCORPORATED** TABLE 174 SOLAR TURBINES INCORPORATED: COMPANY OVERVIEW TABLE 175 SOLAR TURBINES INCORPORATED: PRODUCT OFFERINGS 12.1.12 BHARAT HEAVY ELECTRICALS LIMITED TABLE 176 BHARAT HEAVY ELECTRICALS LIMITED: COMPANY OVERVIEW FIGURE 57 BHARAT HEAVY ELECTRICALS LIMITED: COMPANY SNAPSHOT TABLE 177 BHARAT HEAVY ELECTRICALS LIMITED: PRODUCT OFFERINGS **12.1.13 CENTRAX GAS TURBINE** TABLE 178 CENTRAX GAS TURBINE: COMPANY OVERVIEW TABLE 179 CENTRAX GAS TURBINE: PRODUCT OFFERINGS 12.1.14 MTU AERO ENGINES AG TABLE 180 MTU AERO ENGINES AG: COMPANY OVERVIEW FIGURE 58 MTU AERO ENGINES AG: COMPANY SNAPSHOT TABLE 181 MTU AERO ENGINES AG: PRODUCT OFFERINGS TABLE 182 MTU AERO ENGINES AG: DEALS TABLE 183 MTU AERO ENGINES AG: OTHERS 12.1.15 IHI CORPORATION TABLE 184 IHI CORPORATION: COMPANY OVERVIEW FIGURE 59 IHI CORPORATION: COMPANY SNAPSHOT TABLE 185 IHI CORPORATION: PRODUCT OFFERINGS TABLE 186 IHI CORPORATION: DEALS TABLE 187 WARTSILA: COMPANY OVERVIEW FIGURE 60 WARTSILA: COMPANY SNAPSHOT TABLE 188 WARTSILA: PRODUCT OFFERINGS TABLE 189 WARTSILA: DEALS **TABLE 190 WARTSILA: OTHERS** 12.1.17 DOOSAN HEAVY INDUSTRIES & CONSTRUCTION TABLE 191 DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: COMPANY OVERVIEW

FIGURE 61 DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: COMPANY SNAPSHOT

TABLE 192 DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: PRODUCT



OFFERINGS

TABLE 193 DOOSAN HEAVY INDUSTRIES & CONSTRUCTION: DEALS 12.1.18 MAPNA GROUP TABLE 194 MAPNA GROUP: COMPANY OVERVIEW TABLE 195 MAPNA GROUP: PRODUCT OFFERINGS TABLE 196 MAPNA GROUP: DEALS TABLE 197 MAPNA GROUP: OTHERS **12.1.19 VERICOR POWER SYSTEMS** TABLE 198 VERICOR POWER SYSTEMS: COMPANY OVERVIEW TABLE 199 VERICOR POWER SYSTEMS: PRODUCT OFFERINGS TABLE 200 VERICOR POWER SYSTEMS: DEALS 12.1.20 ZORYA MASHPROEKT TABLE 201 ZORYA MASHPROEK: COMPANY OVERVIEW TABLE 202 ZORYA MASHPROEKT: PRODUCT OFFERINGS TABLE 203 ZORYA MASHPROEKT: DEALS TABLE 204 ZORYA MASHPROEKT: OTHERS **12.1.21 MAN ENERGY SOLUTIONS** TABLE 205 MAN ENERGY SOLUTIONS: COMPANY OVERVIEW TABLE 206 MAN ENERGY SOLUTIONS: PRODUCT OFFERINGS TABLE 207 MAN ENERGY SOLUTIONS: OTHERS **12.2 OTHER PLAYERS 12.2.1 POWER MACHINES** TABLE 208 POWER MACHINES: COMPANY OVERVIEW **12.2.2 GAS TURBINE RESEARCH ESTABLISHMENT** TABLE 209 GAS TURBINE RESEARCH ESTABLISHMENT: COMPANY OVERVIEW **12.2.3 HINDUSTAN AERONAUTICS LIMITED** TABLE 210 HINDUSTAN AERONAUTICS LIMITED: COMPANY OVERVIEW **12.2.4 GKN AEROSPACE SERVICES LIMITED** TABLE 211 GKN AEROSPACE SERVICE LIMITED: COMPANY OVERVIEW *Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies. **12.1 KEY COMPANIES**

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS SUBSCRIPTION PORTAL



13.3 AVAILABLE CUSTOMIZATIONS13.4 RELATED REPORTS13.5 AUTHOR DETAILS



I would like to order

- Product name: Gas Turbine Market by Technology (Open Cycle and Combined Cycle), Design Type (Heavy Duty and Aeroderivative), End User (Power Generation, Oil & Gas), Rated Capacity (1–40 MW, 40–120 MW, 120–300 MW, Above 300 MW) and Region - Global Forecast to 2026
 - Product link: https://marketpublishers.com/r/GF7A8815774EN.html
 - Price: US\$ 4,950.00 (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 <u>https://marketpublishers.com/r/GF7A8815774EN.html</u>

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

Custumer signature ____

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



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