Gas Turbines Market by Design Type, Rated Capacity, Application, Technology and Region - Forecast and Trends to 2020

Description: The gas turbines market is expected to reach USD 19.6 billion by 2020, at a CAGR of 3.9% during the forecast period. Increasing demand for electric power worldwide and subsequent investments in creating new generating capacity is driving the gas turbines market across the world. The shale gas boom in North America and decommissioning of nuclear plants in Europe are likely to boost the demand for gas turbines in these two regions. Meanwhile, the demand for gas turbines in the Middle East & Africa, Latin America, and Asia-Pacific would be influenced by the upcoming new gas-fired power plants as well as the upgrade of old existing thermal power plants.

Heavy duty (frame) type gas turbines dominate the global market:

The heavy duty (frame) type gas turbines segment accounted for more than two-third of the market. This can be attributed to the rise in large gas-fired power plants and the demand for heavy duty gas turbines that powers them. Combined cycle plants with heavy duty type of turbines enable high flexibility and low emissions even in part load operation. Though the heavy duty type gas turbine segment holds the largest share, the aeroderivative segment is projected to grow at the highest rate, owing to its higher efficiency and cost effectiveness.

Asia-Pacific: The largest market for gas turbines

The Asia-Pacific region is currently the largest market for gas turbines, followed by Europe and North America. Japan accounted for a majority share in Asia-Pacific in 2014, while China is projected to grow at the highest CAGR from 2015 to 2020. The slowdown in the nuclear power industry due to the Fukushima incident and continuing replacement of nuclear & aging coal plants with gas-fired ones would continue to drive the Japanese gas turbines market. In developing countries such as China and India, factors such as strong growth in demand for electricity fueled by high levels of urbanization, industrialization, & infrastructural developments and subsequent investments in developing new large-gas fired combined cycle power generation, apart from other power plants, would spur the demand for gas turbines.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject matter experts, C-level executives of key market players and industry consultants among other experts to obtain & verify critical qualitative and quantitate information as well as assess future market prospects. Distribution of primary interviews is as follows

By Company Type: Tier 1 - 55%, Tier 2 - 20% and Tier 3 - 25%
By Designation: C-Level - 35%, Director Level - 25% and Others* - 40%
By Region: Asia-Pacific - 40%, Middle East & Africa - 30%, Europe - 20% and Americas - 10%

Note: *Others include sales managers, marketing managers, and product managers

The tier of the companies is defined on the basis of their total revenue, as of 2014: Tier 1 =>USD 5 billion, Tier 2 = USD 1 billion to USD 5 billion, and Tier 3 =<USD 1 billion

Leading players of this industry have been profiled with their recent developments and other strategic activities. These include General Electric Company (U.S.), Siemens AG (Germany), Mitsubishi Hitachi Power Systems, Ltd. (Japan), and Alstom S.A. (France) among others.

Why buy this report?

1. The report identifies and addresses key markets for gas turbine, useful for suppliers and OEMs to review production and distribution plans
2. The report includes analysis for key countries by technological application of gas turbines, i.e., its application in open (simple) cycle and combined cycle power plants. It analyzes historical trends and also
forecast for 2020, assisting in strategic decision making
3. It also presents competition by analyzing recent market developments such as key contracts, expansions, and new product launches from the key global market players. It helps understand the competition strategies and plan respective initiatives

Contents:

1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Markets Covered
1.4 Years Considered For The Study
1.5 Currency
1.6 Package Size
1.7 Limitations
1.8 Stakeholders
2 Research Methodology
2.1 Research Data
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 Market Size Estimation
2.3 Market Breakdown & Data Triangulation
2.4 Research Assumptions & Limitations
2.4.1 Assumptions
2.4.2 Limitations
3 Executive Summary
3.1 Introduction
3.2 Current Scenario
3.3 Future Trends
3.4 Conclusion
4 Premium Insights
4.1 Attractive Market Opportunities
4.2 Gas Turbines Market: Regional Trends (2015-2020)
4.3 Gas Turbines Market: Application Vs. Rated Capacity
4.4 Gas Turbines Market, By Technology
4.5 Gas Turbines Market, By Design Type
4.6 Life Cycle Analysis: By Region

5 Market Overview
5.1 Market Evolution
5.2 Market Segmentation
5.2.1 By Type
5.2.2 By Rated Capacity
5.2.3 By Application
5.2.4 By Technology
5.2.5 By Region
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Increasing Electricity Demand
5.3.1.2 Shale Gas Production Boom
5.3.1.3 Efficient Generation Technology
5.3.1.4 Lower Carbon Dioxide Emissions
5.3.2 Restraints
5.3.2.1 Price Disparity Across Regional Markets
5.3.2.2 Supply Security & Infrastructure Concerns
5.3.3 Opportunities
5.3.3.1 Growing Trend Of Distributed Power Generation
5.3.3.2 Replacement Of Phased Out Nuclear & Coal Plants
5.3.4 Challenges
5.3.4.1 Limited Natural Gas Reserves
5.4 Supply Chain Analysis
5.5 Porter’s Five Forces Analysis
5.5.1 Threat Of New Entrants
5.5.1.1 High Capital Requirements
5.5.2 Threat Of Substitutes
5.5.2.1 Competition From Other Generation Technologies, Particularly Reciprocating Engines
5.5.3 Bargaining Power Of Suppliers
5.5.3.1 Dependence On Regulatory Policy In Buyers’ Market
5.5.3.2 Concentration Of Sellers In The Market
5.5.4 Bargaining Power Of Buyers
5.5.4.1 Influence Of Local Regulations
5.5.4.2 Sellers Looking For New Growth Avenues
5.5.5 Intensity Of Rivalry
5.5.5.1 Equal-Sized Competitors
5.5.5.2 Large New Orders Expected From Limited Markets

6 Gas Turbines Market, By Design Type
6.1 Introduction
6.2 Heavy Duty (Frame) Type
6.3 Aeroderivative Type

7 Gas Turbines Market, By Rated Capacity
7.1 Introduction
7.2 1-40 Mw
7.3 40-120 Mw
7.4 120-300 Mw
7.5 Above 300 Mw

8 Gas Turbines Market, By Application
8.1 Introduction
8.2 Power Generation
8.3 Oil & Gas
8.4 Other Industrial

9 Gas Turbines Market, By Technology
9.1 Introduction
9.2 Open (Simple) Cycle
9.3 Combined Cycle

10 Gas Turbines Market, By Region
10.1 Introduction
10.2 Asia-Pacific
10.2.1 By Design Type
10.2.2 By Rated Capacity
10.2.3 By Application
10.2.4 By Technology
10.2.5 By Country
10.2.5.1 China
10.2.5.2 India
10.2.5.3 Japan
10.2.5.4 South Korea
10.2.5.5 Rest Of Asia-Pacific
10.3 Europe
10.3.1 By Design Type
10.3.2 By Rated Capacity
10.3.3 By Application
10.3.4 By Technology
10.3.5 By Country
10.3.5.1 Russia
10.3.5.2 U.K.
10.3.5.3 Italy
10.3.5.4 Germany
10.3.5.5 Rest Of Europe
10.4 North America
10.4.1 By Design Type
10.4.2 By Rated Capacity
10.4.3 By Application
10.4.4 By Technology
10.4.5 By Country
10.4.5.1 U.S.
10.4.5.2 Canada
10.5 Middle East & Africa
10.5.1 By Design Type
10.5.2 By Rated Capacity
10.5.3 By Application
10.5.4 By Technology
10.5.5 By Country
10.5.5.1 Saudi Arabia
10.5.5.2 Uae
10.5.5.3 Iran
10.5.5.4 Egypt
10.5.5.5 Rest Of The Middle East & Africa
10.6 Latin America
10.6.1 By Design Type
10.6.2 By Rated Capacity
10.6.3 By Application
10.6.4 By Technology
10.6.5 By Country
10.6.5.1 Mexico
10.6.5.2 Argentina
10.6.5.3 Brazil
10.6.5.4 Rest Of Latin America
11 Competitive Landscape
11.1 Overview
11.2 Competitive Situation & Trends
11.3 Contracts & Agreements
11.4 Expansions
11.5 New Product Launches
11.6 Mergers & Acquisitions
11.7 Other Developments
12 Company Profiles
(Company At A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments)*
12.1 Introduction
12.2 General Electric Company
12.3 Siemens Ag
12.4 Mitsubishi Hitachi Power Systems, Ltd.
12.5 Alstom S.A.
12.6 Kawasaki Heavy Industries, Ltd.
12.7 Bharat Heavy Electicals Limited
12.8 Ansaldo Energia S.P.A.
12.9 Harbin Electric International Company Limited
12.10 Man Diesel & Turbo Se
12.11 Opra Turbines B.V.
12.12 Solar Turbines Incorporated
12.13 Vericor Power Systems Llc
*Details On Company At A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments Might Not Be Captured In Case Of Unlisted Companies.
13 Appendix
13.1 Insights Of Industry Experts
13.3 Recent Developments
List of Tables
Table 1 Shale Gas Boom & Efficient Electricity Generation Technology Of Combined Cycle Gas Power Plants Are Propelling The Growth Of The Gas Turbines Market
Table 2 Price Disparity Across Regional Markets & Concerns About Stable Gas Supply Restrain Market Growth
Table 3 Growing Distributed Generation & Nuclear Phase-Out Are Opportunities For The Gas Turbines Market
Table 4 Limited Natural Gas Reserves Is A Challenge
Table 5 Gas Turbines Market Size, By Design Type, 2013-2020 (USD Million)
Table 6 Heavy Duty Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 7 Aeroderivative Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 8 Gas Turbines Market Size, By Rated Capacity, 2013-2020 (USD Million)
Table 9 1-40 Mw Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 10 40-120 Mw Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 11 Above 300 Mw Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 12 Gas Turbines Market Size, By Application, 2013 - 2020 (USD Million)
Table 13 Power Generation: Gas Turbines Market Size, By Region, 2013 - 2020 (USD Million)
Table 14 Oil & Gas: Gas Turbines Market Size, By Region, 2013 - 2020 (USD Million)
Table 15 Other Industrial: Gas Turbines Market Size, By Region, 2013 - 2020 (USD Million)
Table 16 Gas Turbines Market Size, By Technology, 2013-2020 (USD Million)
Table 17 Open (Simple) Cycle: Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 18 Combined Cycle: Gas Turbines Market Size, By Region, 2013-2020 (USD Million)
Table 19 Gas Turbines Market Size, By Region, 2013 - 2020 (USD Million)
Table 20 Asia-Pacific: Gas Turbines Market Size, By Design Type, 2013 - 2020 (USD Million)
Table 21 Asia-Pacific: Gas Turbines Market Size, By Rated Capacity, 2013 - 2020 (USD Million)
Table 22 Asia-Pacific: Gas Turbines Market Size, By Application, 2013 - 2020 (USD Million)
Table 23 Asia-Pacific: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 24 China: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 25 India: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 26 Japan: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 27 South Korea: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 28 Italy: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 29 Germany: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 30 Russia: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 31 U.K.: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 32 Canada: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 33 Mexico: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 34 Argentina: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 35 Brazil: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 66 Rest Of Latin America: Gas Turbines Market Size, By Technology, 2013 - 2020 (USD Million)
Table 67 Contracts & Agreements, 2012 - 2015
Table 68 Expansions, 2011 - 2015
Table 69 New Product Launches, 2014 - 2015
Table 70 Mergers & Acquisitions, 2011 - 2015
Table 71 Other Developments, 2011 - 2015
Table 72 Contracts & Agreements, 2011 - 2015
Table 73 Expansions, 2011 - 2014
Table 74 New Product Launches, 2011 - 2015
Table 75 Other Developments, 2011 - 2015

List of Figures

Figure 1 Markets Covered: Gas Turbines Market
Figure 2 Gas Turbines Market: Research Design
Figure 3 Market Size Estimation Methodology: Bottom-Up Approach
Figure 4 Market Size Estimation Methodology: Top-Down Approach
Figure 5 Data Triangulation Methodology
Figure 6 Asia-Pacific Dominated The Gas Turbines Market In 2014
Figure 7 Power Generation Sector Dominated The Gas Turbines Market In 2014
Figure 8 Asia-Pacific Is A Potential Market For Power Generation Application
Figure 9 Gas Turbines Market, By Rated Capacity, 2015-2020 (USD Million)
Figure 10 Rise In Natural Gas Production & Strict Emission Regulations On Power Plants Would Boost The Gas Turbines Market
Figure 11 Middle East & Africa: Potential Market To Invest During The Forecast Period
Figure 12 The Power Generation Segment Dominated The Gas Turbines Market In 2014
Figure 13 Combined Cycle Technology Is Expected To Dominate The Gas Turbines Market In 2020
Figure 14 Heavy Duty (Frame) Type Of Gas Turbine Dominated The Market In 2014
Figure 15 The Middle East & Africa Region Is An Emerging Market For Gas Turbines
Figure 16 Enhancing Efficiency & Further Reducing Emissions Are The Top Priorities Of Modern Gas Turbine Designs
Figure 17 Segmentation Of Gas Turbines Market
Figure 18 Segmentation Of Gas Turbines Market, By Design Type
Figure 19 Segmentation Of Gas Turbines Market, By Rated Capacity
Figure 20 Segmentation Of Gas Turbines Market, By Application
Figure 21 Segmentation Of The Gas Turbines Market, By Technology
Figure 22 Segmentation Of The Gas Turbines Market, By Region
Figure 23 Market Dynamics Of Gas Turbines
Figure 24 India: Increase In GDP & Electricity Consumption, 2009-2012
Figure 25 U.S. Natural Gas Gross Withdrawals, Billion Cubic Feet, 2004-2014
Figure 26 Reserves To Production Ratio (In Terms Of Number Of Years) For Coal & Natural Gas, As Of 2014
Figure 27 Gas Turbines: Supply Chain
Figure 28 Porter’S Five Forces Analysis: Intensity Of Rivalry Is High In The Gas Turbines Market
Figure 29 Demand For Aeroderivative Type Of Gas Turbines Is Expected To Increase In The Next Five Years
Figure 30 120-300 Mw & Above 300 Mw Segments Constitute More Than 60% Of The Market
Figure 31 The Power Generation Segment Is Estimated To Hold The Largest Market Share (By Value) In 2015
Figure 32 The Combined Cycle Gas Turbines Segment Held The Largest Market Share (By Value) In 2014
Figure 33 Gas Turbines Market Share (Value), By Region, 2014
Figure 34 Top Growing Markets: Countries In Asia-Pacific, The Middle East, & Latin America To Witness The Highest Growth During The Forecast Period
Figure 35 The U.S. & Russia Are Projected To Be The Two Largest Markets For Gas Turbines During The Forecast Period
Figure 36 Regional Snapshot: Asia-Pacific Offers Attractive Market Opportunities
Figure 37 Companies Adopted Various Growth Strategies From 2011 To 2015
Figure 38 Battle For Market Share: Contracts & Agreements Was The Key Strategy Adopted By Top Players, 2011 - 2015
Figure 39 Market Share Analysis: General Electric Company Accounted For The Largest Market Share (Value) In 2014
Figure 40 Market Leaders Based On Developments, 2011 - 2015
Figure 41 Market Evolution Framework: Contracts & Agreements Supplemented Market Growth, 2011 - 2015
Figure 42 Regional Mix Of The Top Players
Figure 43 General Electric Company: Company Snapshot
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