Global Diesel Generator Market - Analysis by Deployment Location - Growth Trends and Forecasts (2016 - 2021)

Description: The global diesel generator set market was estimated at USD XX billion in 2015 and is projected to reach USD XX billion by 2021, at a CAGR of XX% during the forecast period 2016-2021.

Diesel generators are available in various sizes starting from 3KW and up to astounding 80,080 KW. A diesel generator houses an internal combustion engine that with the help of atmospheric oxygen under high pressure and temperature, ignites the diesel fuel which is injected into the combustion chamber. In this process, chemical energy is transformed into mechanical energy.

The major drivers for the diesel generators market are the need for reliable power supply at reasonable cost, frequent outages cause inconvenience for various activities, such as residential homes and industrial establishments which need to fulfill their need for power requirement and needs a reliable back up system that is provided by diesel generators. These are simple rugged machines which can be used in any situations and make use of low cost fuel. The places where grid power is not available then there is a need for alternative solutions. In those places diesel generators fill the requirement. Poor fuel quality and lack of preventive maintenance are two restraints for diesel generators. In many developing countries, the availability of good quality fuel remains problematic. Adulterated fuel not only damages the equipment but causes more pollution. Also when regular maintenance is not performed on the machine it leads to breakdowns and poor performance.

Asia-Pacific is leading the diesel generator market followed by the Middle East & Africa. It is due to the increase in the development of the industrial and commercial sectors. Also, with the rise in the power shortage problems due to the poor infrastructure, India and China are mainly relying on the diesel generators to cater to their end use, which helps in the market growth.

Diesel generators are available in single phase and three phase. The residential homes use low capacity single phase generators which are available while for commercial use three phase generators are available and are mostly used. The generator consist of starter motor, fly wheel, alternator, adaption disc, battery, cooling system, circuit breaker, control panel etc. By power rating, they are classified into 0-100 kVA, 100-350 kVA, 350-1000kVA and above 1000kVA. With the increase in the diesel generators use in the oil & gas, telecom and healthcare industries, it is expected that 350-1000kVA range will have the highest growth.

- Values are given for indicative purpose only. Real values will be available in the full report

The applications of diesel generators are spread from residential, commercial to industrial domains. These are used in mines to power the operations deep underground. Also powering ships at high seas requires diesel generators. When it comes to critical care for patients or protecting the information in data centers diesel generators are employed. To transfer food and medicines across kilometers refrigerated containers use diesel generator sets. For emergency situations when power is required the problem can be addressed by diesel generators. The challenges include the restrictions by various governments for prevention of pollution and this is expected to rise in coming years. Also if the generator is run on low loads creates low cylinder pressure and poor piston sealing, this affects the material of the generator.

Key Deliverables in the Study

1. Market analysis for the Global Diesel Generator Market, with region specific assessments and competition analysis on global and regional scales

2. Market definition along with the identification of key drivers and restraints

3. Identification of factors instrumental in changing the market scenarios, rising prospective opportunities, and identification of key companies that can influence this market on a global and regional scale

4. Extensively researched competitive landscape section with profiles of major companies along with their market shares
5. Identification and analysis of the macro and micro factors that affect the global Diesel generator market on both global and regional scales

6. A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information

7. A wide-ranging knowledge and insights about the major players in this industry and the key strategies adopted by them to sustain and grow in the studied market

8. Insights on the major countries/regions in which this industry is blooming and to also identify the regions that are still untapped

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