European Market for Fuel Cell Technology: Trends And Forecast to 2018

Description: 'European Market for Fuel Cell Technology: Trends And Forecast to 2018' provides a comprehensive analysis of the market by application (Portable, Stationary, Transport), type (PEMFC, DMFC, PAFC, SOFC, MCFC), fuel (Hydrogen, Natural Gas, Methanol, Anaerobic Digester Gas) and geographic region.

Fuel cells convert chemical energy into electrical energy through an electromechanical reaction - like a battery. The only difference is that the fuel is supplied from outside, thereby making the fuel cell feel like an engine converting fuel into electricity without burning it. Fuel cells are of different types such as proton exchange membrane (PEM), solid oxide fuel cell (SOFC), molten carbonate fuel cell (MCFC) and many more differentiated options based on the components used and the type of reaction taking place within the cell. A variety of fuels can be used such as hydrogen, methanol, biogas, natural gas, and hydrocarbons. When working with hydrogen, fuel cells generate water as an outcome and give electricity with zero emission. Fuel cells are gaining importance as the demand for clean energy is increasing and due to the continuous depletion of oil and gas reserves. Furthermore, the focus is shifting towards renewable energy which is backed by governments and companies throughout Europe.

The European fuel cell market is segmented firstly on the basis of its applications such as portable, transportation and stationary applications. Secondly, it is segmented on the basis of technology such as Polymer/Proton Exchange Membrane (PEM) Fuel Cell, Direct Methanol Fuel Cell, Phosphoric Acid Fuel Cell, Solid Oxide Fuel Cell, Molten Carbonate Fuel Cell and others. The market is also segmented according to primary fuel sources such as Hydrogen, Natural Gas/ Methane, Methanol, and Anaerobic Digester Gas. Finally, the market is segmented on the basis of countries such as Germany, U.K., and the Rest of Europe. Each region has been analyzed with respect to its market trends, growth, and future prospective of the fuel cell market. The data has been analyzed over a period of 2011 to 2018. The quantitative data regarding all the above segmentation is given in value ($million).

The European fuel cell market revenue is estimated to reach $613.7 million by 2018. Major factors responsible for the growth of the fuel cell market include the ability of fuel cells in stationary, portable and transportation applications as a source of off grid power source, zero emission and clean energy source and continuous depletion of existing oil reserves makes. The key concerns in the industry pertain to the high cost of catalyst, commercialization of fuel cells and the establishment of fuel cell infrastructure.

The report classifies and defines revenue for the fuel cell industry. It covers qualitative data relating to fuel cell technologies used in various applications. The report also provides a comprehensive review of major market drivers, restraints, opportunities, winning imperatives, and key burning issues in the fuel cell market. Key players in the industry are profiled in detail with their recent developments. Companies covered include AFC Energy (U.K.), Heliocentris (Germany), Topsoe (Denmark), Genport SRL (Italy), SFC Energy (Germany) and Ceres Power (U.K.).

Scope Of The Report:

By Country
- Germany
- U.K.
- Rest of Europe

By Application
- Portable
- Stationary
- Transportation

By Technology
- Polymer/Proton Exchange Membrane (PEM) Fuel Cell
- Direct Methanol Fuel Cell (DMFC)
- Alkaline Fuel Cell (AFC)
- Phosphoric Acid Fuel Cell (PAFC)
- Molten Carbonate Fuel Cells (MCFC)
- Solid Oxide Fuel Cell (SOFC)
- Direct Carbon Fuel Cell (DCFC)
- Zinc Air Fuel Cell (ZAFc)
- Protonic Ceramic Fuel Cell (PCFC)
- Microbial Fuel Cell (MFC)

By Fuel
- Hydrogen
- Natural Gas/ Methane
- Methanol
- Anaerobic Digester Gas
- Others

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