

Global Stationary Fuel Cells

<https://marketpublishers.com/r/G07CA17BF8EEN.html>

Date: August 2012

Pages: 110

Price: US\$ 450.00 (Single User License)

ID: G07CA17BF8EEN

Abstracts

Fuel cells have been promoted as the next technological leap in the area of power production and the reason for the excitement around this technology is primarily because of the fact that they carry the potential to replace the traditional combustion-based electric generating technologies in both mobile and stationary applications.

In terms of the fuel that is used, they can operate on any hydrogen-rich fuel, whether renewable or fossil. Another reason why they are attractive is that in this era of climate change and rising warmness about green house gases emission, and carbon footprint, the emissions profile of the technology is very attractive. There are negligible sulfur and nitrogen emissions produced during operation. Industrialization requires sustainable, highly efficient energy, and as the world is seriously looking at replacing fossil fuel generation with clean, renewable energy, the future for fuel cells look's very bright and promising.

In terms of the market potential, it is predicted that sales revenues for recreational vehicles (US and Europe), wireless telecoms back-up (US) and mid-sized distributed generation (US and Europe). These are all applications in which adoption of fuel cell solutions require little or no change in consumer habits or infrastructure.

A growing number of global corporations are becoming involved in fuel cells, both as developers and strategic partners. Increasingly, large established manufacturers, such as DuPont, 3M and Johnson Matthey, are positioning themselves to become world suppliers of fuel cell components.

Most of the world's largest automotive manufacturers including GM, DaimlerChrysler, Ford, Toyota, Nissan, Hyundai and Honda have also recognized the importance of early fuel cell commercialization and are involved in the development of stationary fuel cells as a means of building their overall capacity in automotive fuel cell applications for the

longer term.

Aruvian's R'search analyzes the market for stationary fuel cells worldwide along with an analysis of the major players in the market.

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