

Analyzing the US Fuel Cell Market

<https://marketpublishers.com/r/A40657474E4EN.html>

Date: June 2011

Pages: 215

Price: US\$ 300.00 (Single User License)

ID: A40657474E4EN

Abstracts

The world's growing dependency on fossil fuels led to the development of the fuel cell industry! The advent of the fuel cells and the recent commercialization of fuel cells in the last couple of years have changed the energy landscape of the United States.

Fuel cells are being used in the US for cogeneration to transportation. From portable power to stationary usage, the applications of fuel cells can be found in almost every industry today.

With the fuel cell industry expected to generate more than \$18.6 billion in 2013, the US government has put in place several programs and initiatives to boost the development of this industry.

In this research offering, Aruvian's R'search analyzes the fuel cells market in the US.

The analysis of the fuel cells market in the US includes a basic analysis of fuel cell design and technologies along with the investment profile of the industry as well. The various types of fuel cells such as alkaline, direct borohydride fuel cells, direct methanol, direct ethanol, formic acid fuel cells, and many others are profiled comprehensively in the report.

The challenges facing the US fuel cells market such as design issues, cost issues, and many other problems are analyzed, followed by an analysis of fuel cell initiatives by state.

Market outlook for the sector and an analysis of the major players in the market such as Alteryg, Astris Energi, Canon, Casio, Eneos, Entegris, Cellex Power, Jadoo Power, P21, Plug Power, and many others wrap up the report on the fuel cells market in the US.

Contents

A. EXECUTIVE SUMMARY

B. FUEL CELLS IN THE US

- B.1 Introduction
- B.2 Design of Fuel Cells
- B.3 Technology behind Fuel Cells
 - B.3.1 Role of the Membrane Electrode Assembly
 - B.3.2 Role of the Catalyst
 - B.3.3 Primary Hardware
- B.4 Research and Development & Investment in the Industry
 - B.4.1 VC and Public Market Investment
 - B.4.2 Performance of Fuel Cell Stocks

C. TYPES OF FUEL CELLS

- C.1 Alkaline Fuel Cell
- C.2 Direct Borohydride Fuel Cell
- C.3 Direct Ethanol Fuel Cell
- C.4 Direct Methanol Fuel Cell
- C.5 Electro-galvanic Fuel Cell
- C.6 Flow Battery
- C.7 Formic Acid Fuel Cell
- C.8 Fuel Cells Minus Membranes
- C.9 Metal Air Fuel Cells
- C.10 Metal Hydride Fuel Cell
- C.11 Microbial Fuel Cell
- C.12 Molten Carbonate Fuel Cell
- C.13 Phosphoric Acid Fuel Cell
- C.14 Polymer Electrolyte Membrane Fuel Cells
- C.15 Proton Exchange Membrane Fuel Cell
- C.16 Protonic Ceramic Fuel Cell
- C.17 Regenerative Fuel Cells
- C.18 Reversible Fuel Cell
- C.19 Solid Oxide Fuel Cell
- C.20 Zinc-Air Fuel Cells

D. CHALLENGES FACING THE INDUSTRY

- D.1 Design Issues
- D.2 Cost Issues
- D.3 Reliability and Durability Issues
- D.4 Storage Problems
- D.5 Size and Weight Issues
- D.6 Fuel Flexibility
- D.7 Low Operating Temperatures of PEM Fuel Cells
- D.8 Public Support

E. CASE STUDIES: PUTTING FUEL CELLS TO USE

F. ANALYSIS OF FUEL CELL INITIATIVES BY STATE

- F.1 Alaska
- F.2 Arizona
- F.3 Arkansas
- F.4 California
- F.5 Colorado
- F.6 Connecticut
- F.7 Delaware
- F.8 District of Columbia
- F.9 Florida
- F.10 Georgia
- F.11 Hawaii
- F.12 Idaho
- F.13 Illinois
- F.14 Indiana
- F.15 Iowa
- F.16 Louisiana
- F.17 Maine
- F.18 Maryland
- F.19 Massachusetts
- F.20 Michigan
- F.21 Minnesota
- F.22 Mississippi
- F.23 Missouri
- F.24 Montana

- F.25 Nebraska
- F.26 Nevada
- F.27 New Jersey
- F.28 New Mexico
- F.29 New York
- F.30 North Carolina
- F.31 North Dakota
- F.32 Ohio
- F.33 Oklahoma
- F.34 Oregon
- F.35 Pennsylvania
- F.36 Rhode Island
- F.37 South Carolina
- F.38 South Dakota
- F.39 Tennessee
- F.40 Texas
- F.41 Utah
- F.42 Virginia
- F.43 Washington
- F.44 West Virginia
- F.45 Wisconsin
- F.46 Wyoming

G. US FUEL CELLS MARKET: MARKET OUTLOOK

H. MAJOR PLAYERS IN THE US FUEL CELLS MARKET

- H.1 Altery Systems
- H.2 Astris Energi Inc.
- H.3 Ballard Power Systems
- H.4 California Fuel Cell Partnership
- H.5 Canon
- H.6 Casio
- H.7 Ceramic Fuel Cells
- H.8 Cellex Power
- H.9 Commonwealth Scientific and Industrial Research Organization
- H.10 Daimler AG
- H.11 Entegris, Inc.
- H.12 Eneos Celltech

H.13 Fuel Cell Technologies Ltd.

H.14 FuelCell Energy, Inc.

H.15 Hitachi

H.16 IdaTech LLC

H.17 Jadoo Power

H.18 Motorola

H.19 MTI Micro Fuel Cells

H.20 NTT DoCoMo Inc.

H.21 P21

H.22 Palcan Fuel Cells

H.23 Plug Power

H.24 Proton Energy Systems

I. APPENDIX

I.1 Fuel Cell Companies

I.2 Government Organizations

J. GLOSSARY OF TERMS

I would like to order

Product name: Analyzing the US Fuel Cell Market

Product link: <https://marketpublishers.com/r/A40657474E4EN.html>

Price: US\$ 300.00 (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 <https://marketpublishers.com/r/A40657474E4EN.html>