Microbial Fuel Cell Market Roadmap from Laboratory to Commercialization

Description: Microbial Fuel Cells (MFC) and Polymer/Proton Exchange Membrane Fuel Cells (PEMFC), Solid Oxide Fuel Cells (SOFC), Molten Carbonate Fuel Cells (MCFC), Phosphoric Acid Fuel Cells (PAFC), Direct Methanol Fuel Cells (DMFC), Alkaline Fuel Cells (AFC), Direct Carbon Fuel Cells (DCFC), Zinc Air Fuel Cells (ZAFC) and Protonic Ceramic Fuel Cells (PCFC) adds up to total Fuel Cell market. Microbial Fuel Cells (MFC) can be segmented by Geographies and Companies. Geographies of this market are Europe, North America, Asia and Rest of World.

Excessive dependence on conventional energy resources, especially oil and gas, by the growing human population has accelerated the global energy crisis in recent years. On the other hand, the increasing demand for potable water and the need for wastewater treatment have emerged as key issues faced by governments and industries, especially in developing regions. Wastewater is basically water containing organic and inorganic wastes from commercial, residential, and industrial processes.

Microbial fuel cell (MFC) technology offers a solution to both these problems. Through a microbial process, MFCs produce clean energy from various organic wastes, especially wastewater. MFCs also create numerous opportunities for harvesting electricity, through a one-step process, as compared to traditional methods of green energy production, such as biogas, which is a highly complex and multistage process to generate electricity.

Objectives Of The Study

- To identify emerging trends and opportunities in the microbial fuel cell market
- To analyze the microbial fuel cell market with focus on high-growth industry and the fastest-growing market segment
- To analyze the impact of the factors that are currently driving and restraining the growth of the market
- To provide detailed segmentation of the microbial fuel cell market, by industry and region
- To provide comprehensive competitive landscapes and identify key players with respect to market size and market share
- To strategically profile key players of the microbial fuel cell market


Contents:

1 Introduction
   1.1 Objectives Of The Study
   1.2 Market Segmentation & Coverage
   1.2.1 Years Considered For The Study
   1.3 Stakeholder

2 Research Methodology
   2.1 Integrated Ecosystem Of Microbial Fuel Cell Market
   2.2 Arriving At The Microbial Fuel Cell Market Size
      2.2.1 Top-Down Approach
      2.2.2 Bottom-Up Approach
   2.3 Assumptions
3 Executive Summary
4 Market Overview
4.1 Introduction
4.2 Microbial Fuel Cell Market
4.3 Market Drivers And Restraints
4.4 Market Opportunities And Challenges
4.5 Regulations
5 Global Microbial Fuel Cell Market, By Industry
5.1 Introduction
5.2 Global Microbial Fuel Cell Market In Government & Municipal
5.3 Global Microbial Fuel Cell Market In Food & Beverage
5.4 Global Microbial Fuel Cell Market In Agriculture
5.5 Global Microbial Fuel Cell Market In Healthcare
5.6 Global Microbial Fuel Cell Market In Others
6 Regional Analysis
6.1 Introduction
6.2 North America Microbial Fuel Cell Market
6.2.1 North America Microbial Fuel Cell Market, By Industry
6.3 Europe Microbial Fuel Cell Market
6.3.1 Europe Microbial Fuel Cell Market, By Industry
6.4 Asia-Pacific Microbial Fuel Cell Market
6.4.1 Asia-Pacific Microbial Fuel Cell Market, By Industry
6.5 Middle East & Africa Microbial Fuel Cell Market
6.5.1 Middle East & Africa Microbial Fuel Cell Market, By Industry
6.6 Latin America Microbial Fuel Cell Market
6.6.1 Latin America Microbial Fuel Cell Market, By Industry
7 Global Microbial Fuel Cell Market: Competitive Landscape
7.1 Contracts
7.2 Expansions
7.3 New Product Launches
7.4 Partnerships, Patents, And Grants
8 Company Profiles
8.1 Cambrian Innovation Inc.
8.1.1 Overview
8.1.2 Products And Offerings
8.1.3 Related Developments
8.1.4 Mnm View
8.2 Emefcy
8.2.1 Overview
8.2.2 Products And Offerings
8.2.3 Related Developments
8.2.4 Mnm View
8.3 Microrganic Technologies, Inc.
8.3.1 Overview
8.3.2 Products And Offerings
8.3.3 Related Developments
8.3.4 Mnm View
8.4 Microbial Robotics
8.4.1 Overview
8.4.2 Products And Offerings
8.4.3 Related Developments
8.4.4 Mnm View
9 Key Innovators
9.1 Prongineer
9.1.1 Business Overview
9.1.2 Push Towards Microbial Fuel Cell Market
9.2 Electrochem
9.2.1 Business Overview
9.2.2 Push Towards Microbial Fuel Cell Market
9.3 Triqua International Bv
9.3.1 Business Overview
9.3.2 Push Towards Microbial Fuel Cell Market

10 Appendix
10.1 Options
10.1.1 Microbial Fuel Cell Market Delivery Modes Matrix
10.1.2 Microbial Fuel Cell Market Competitive Benchmarking
10.1.3 Microbial Fuel Cell Market Vendor Landscaping
10.1.4 Microbial Fuel Cell Market Data Tracker
10.1.5 Microbial Fuel Cell Market Emerging Vendor Landscape
10.1.6 Microbial Fuel Cell Market Channel Analysis

List Of Tables

Table 1 Microbial Fuel Market, 2015 - 2025 (USD Million)
Table 2 Microbial Fuel Cell Market: Drivers And Restraints
Table 3 Microbial Fuel Cell Market: Opportunities And Challenges
Table 4 Global Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 5 Global Microbial Fuel Cell Market In Government & Municipal, By Region, 2017-2025 (USD '000)
Table 6 Global Microbial Fuel Cell Market In Food & Beverage, By Region, 2017-2025 (USD '000)
Table 7 Global Microbial Fuel Cell Market In Agriculture, By Region, 2017-2025 (USD '000)
Table 8 Global Microbial Fuel Cell Market In Healthcare, By Region, 2017-2025 (USD '000)
Table 9 Global Microbial Fuel Cell Market In Others, By Region, 2017-2025 (USD '000)
Table 10 Global Microbial Fuel Cell Market, By Region, 2017-2025 (USD '000)
Table 11 North America Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 12 Europe Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 13 Asia-Pacific Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 14 Middle East & Africa Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 15 Latin America Microbial Fuel Cell Market, By Industry, 2017-2025 (USD '000)
Table 16 Global Microbial Fuel Cell Market: Contracts
Table 17 Global Microbial Fuel Cell Market: Expansions
Table 18 Global Microbial Fuel Cell Market: New Product Launches
Table 19 Global Microbial Fuel Cell Market: Partnerships, Patents, And Grants

List Of Figures

Figure 1 Microbial Fuel Cell Market: Segmentation And Coverage
Figure 2 Years Considered For The Study
Figure 3 Microbial Fuel Cell Market: Integrated Ecosystem
Figure 4 Research Methodology
Figure 5 Top-Down Approach
Figure 6 Bottom-Up Approach
Figure 7 Microbial Fuel Cell Market 2015: Snapshot
Figure 8 Microbial Fuel Cell Market, 2017 & 2025 (USD Million)
Figure 9 Microbial Fuel Cell Market: Drivers And Restraints
Figure 10 Microbial Fuel Cell Market: Opportunities And Challenges
Figure 11 Global Microbial Fuel Cell Market, By Industry, 2017 & 2025 (USD '000)
Figure 12 Global Microbial Fuel Cell Market In Government & Municipal, By Region, 2015-2025 (USD '000)
Figure 13 Global Microbial Fuel Cell Market In Food & Beverage, By Region, 2015-2025 (USD '000)
Figure 14 Global Microbial Fuel Cell Market In Agriculture, By Region, 2015-2025 (USD '000)
Figure 15 Global Microbial Fuel Cell Market In Healthcare, By Region, 2015-2025 (USD '000)
Figure 16 Global Microbial Fuel Cell Market In Others, By Region, 2015-2025 (USD '000)
Figure 17 Global Microbial Fuel Cell Market: Growth Analysis, By Region, 2017-2025 (USD '000)
Figure 18 North America Microbial Fuel Cell Market Overview: 2017 & 2025 (%)
Figure 19 North America Microbial Fuel Cell Market, By Industry (2015-2025)
Figure 20 Europe Microbial Fuel Cell Market Overview: 2017 & 2025 (%)
Figure 21 Europe Microbial Fuel Cell Market, By Industry (2015-2025)
Figure 22 Asia-Pacific Microbial Fuel Cell Market Overview: 2017 & 2025 (%)
Figure 23 Asia-Pacific Microbial Fuel Cell Market, By Industry (2015-2025)
Figure 24 Middle East & Africa Microbial Fuel Cell Market Overview: 2017 & 2025 (%)
Figure 25 Middle East & Africa Microbial Fuel Cell Market, By Industry (2015-2025)
Figure 26 Latin America Microbial Fuel Cell Market Overview: 2017 & 2025 (%)
Figure 27 Latin America Microbial Fuel Cell Market, By Industry (2015-2025)
Figure 28 Cambrian Innovation Inc.: Business Overview
Figure 29 Emefcy: Business Overview
Figure 30 Microrganic Technologies, Inc.: Business Overview
Figure 31 Microbial Robotics: Business Overview

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