

Solid Oxide Electrolysis Cell (SOEC) Market, Global Outlook and Forecast 2022-2028

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Abstracts

A Solid Oxide Electrolysis Cell (SOEC) is basically the corresponding fuel cell (Solid Oxide Fuel Cell – SOFC) run in ‘reverse’. Such a cell operates at relatively high temperatures (700-1000 °C), which makes the efficiency very high. The two electrolysis products, hydrogen and oxygen, are formed on each side of the cell. SOECs may be used for the production of hydrogen from surplus electricity generated by, e.g., wind turbines.

This report contains market size and forecasts of Solid Oxide Electrolysis Cell (SOEC) in Global, including the following market information:

Global Solid Oxide Electrolysis Cell (SOEC) Market Size 2023-2028, (\$ millions)

The global Solid Oxide Electrolysis Cell (SOEC) market is projected to reach US\$ million by 2028.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Solid Oxide Electrolysis Cell (SOEC) companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Solid Oxide Electrolysis Cell (SOEC) Market, by Type, 2023-2028 (\$ millions)

Global Solid Oxide Electrolysis Cell (SOEC) Market Segment Percentages, by Type

Oxygen Ion Conducting

Proton Conducting

Global Solid Oxide Electrolysis Cell (SOEC) Market, by Application, 2023-2028 (\$ millions)

Global Solid Oxide Electrolysis Cell (SOEC) Market Segment Percentages, by Application

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Others

Global Solid Oxide Electrolysis Cell (SOEC) Market, By Region and Country, 2023-2028 (\$ Millions)

Global Solid Oxide Electrolysis Cell (SOEC) Market Segment Percentages, By Region and Country

United States

Europe

Asia

China

Rest of World

Competitor Analysis

The report also provides analysis of leading market participants including:

Further, the report presents profiles of competitors in the market, key players include:

OxEon Energy

Sunfire

Hoganas AB

Nexceris

Bosch

Haldor Topsoe

FuelCell Energy

Toshiba

Redox Power Systems

Keramische Folien GmbH

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