

Global SOEC Market Research Report 2023

https://marketpublishers.com/r/G6E35CB5CED9EN.html Date: December 2023 Pages: 89 Price: US\$ 2,900.00 (Single User License) ID: G6E35CB5CED9EN

Abstracts

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global SOEC market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

Sunfire GmbH

Topsoe

OxEon Energy

Ceres

Elcogen

FuelCell Energy

Egen Energy

Segment by Type

Oxygen Ion Conducting

Proton Conducting



Segment by Application

Chemicals and Refineries

Power Plants

Steel Plant

Others

By Region

North America

United States

Canada

Europe

Germany

France

UK

Italy

Russia

Nordic Countries

Rest of Europe

Asia-Pacific

China



Japan

South Korea

Southeast Asia

India

Australia

Rest of Asia

Latin America

Mexico

Brazil

Rest of Latin America

Middle East & Africa

Turkey

Saudi Arabia

UAE

Rest of MEA

The SOEC report covers below items:

Chapter 1: Product Basic Information (Definition, Type and Application)

Chapter 2: Global market size, regional market size. Market Opportunities and Challenges

Chapter 3: Companies' Competition Patterns

Global SOEC Market Research Report 2023



Chapter 4: Product Type Analysis

- Chapter 5: Product Application Analysis
- Chapter 6 to 10: Country Level Value Analysis
- Chapter 11: Companies' Outline
- Chapter 12: Market Conclusions

Chapter 13: Research Methodology and Data Source



Contents

1 REPORT OVERVIEW

- 1.1 Study Scope
- 1.2 Market Analysis by Type
 - 1.2.1 Global SOEC Market Size Growth Rate by Type: 2018 VS 2022 VS 2029
- 1.2.2 Oxygen Ion Conducting
- 1.2.3 Proton Conducting
- 1.3 Market by Application
- 1.3.1 Global SOEC Market Growth by Application: 2018 VS 2022 VS 2029
- 1.3.2 Chemicals and Refineries
- 1.3.3 Power Plants
- 1.3.4 Steel Plant
- 1.3.5 Others
- 1.4 Study Objectives
- 1.5 Years Considered
- 1.6 Years Considered

2 GLOBAL GROWTH TRENDS

- 2.1 Global SOEC Market Perspective (2018-2029)
- 2.2 SOEC Growth Trends by Region
 - 2.2.1 Global SOEC Market Size by Region: 2018 VS 2022 VS 2029
 - 2.2.2 SOEC Historic Market Size by Region (2018-2023)
- 2.2.3 SOEC Forecasted Market Size by Region (2024-2029)
- 2.3 SOEC Market Dynamics
 - 2.3.1 SOEC Industry Trends
 - 2.3.2 SOEC Market Drivers
 - 2.3.3 SOEC Market Challenges
 - 2.3.4 SOEC Market Restraints

3 COMPETITION LANDSCAPE BY KEY PLAYERS

- 3.1 Global Top SOEC Players by Revenue
- 3.1.1 Global Top SOEC Players by Revenue (2018-2023)
- 3.1.2 Global SOEC Revenue Market Share by Players (2018-2023)
- 3.2 Global SOEC Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.3 Players Covered: Ranking by SOEC Revenue



- 3.4 Global SOEC Market Concentration Ratio
- 3.4.1 Global SOEC Market Concentration Ratio (CR5 and HHI)
- 3.4.2 Global Top 10 and Top 5 Companies by SOEC Revenue in 2022
- 3.5 SOEC Key Players Head office and Area Served
- 3.6 Key Players SOEC Product Solution and Service
- 3.7 Date of Enter into SOEC Market
- 3.8 Mergers & Acquisitions, Expansion Plans

4 SOEC BREAKDOWN DATA BY TYPE

- 4.1 Global SOEC Historic Market Size by Type (2018-2023)
- 4.2 Global SOEC Forecasted Market Size by Type (2024-2029)

5 SOEC BREAKDOWN DATA BY APPLICATION

- 5.1 Global SOEC Historic Market Size by Application (2018-2023)
- 5.2 Global SOEC Forecasted Market Size by Application (2024-2029)

6 NORTH AMERICA

- 6.1 North America SOEC Market Size (2018-2029)
- 6.2 North America SOEC Market Growth Rate by Country: 2018 VS 2022 VS 2029
- 6.3 North America SOEC Market Size by Country (2018-2023)
- 6.4 North America SOEC Market Size by Country (2024-2029)
- 6.5 United States
- 6.6 Canada

7 EUROPE

- 7.1 Europe SOEC Market Size (2018-2029)
- 7.2 Europe SOEC Market Growth Rate by Country: 2018 VS 2022 VS 2029
- 7.3 Europe SOEC Market Size by Country (2018-2023)
- 7.4 Europe SOEC Market Size by Country (2024-2029)
- 7.5 Germany
- 7.6 France
- 7.7 U.K.
- 7.8 Italy
- 7.9 Russia
- 7.10 Nordic Countries



8 ASIA-PACIFIC

- 8.1 Asia-Pacific SOEC Market Size (2018-2029)
- 8.2 Asia-Pacific SOEC Market Growth Rate by Region: 2018 VS 2022 VS 2029
- 8.3 Asia-Pacific SOEC Market Size by Region (2018-2023)
- 8.4 Asia-Pacific SOEC Market Size by Region (2024-2029)
- 8.5 China
- 8.6 Japan
- 8.7 South Korea
- 8.8 Southeast Asia
- 8.9 India
- 8.10 Australia

9 LATIN AMERICA

- 9.1 Latin America SOEC Market Size (2018-2029)
- 9.2 Latin America SOEC Market Growth Rate by Country: 2018 VS 2022 VS 2029
- 9.3 Latin America SOEC Market Size by Country (2018-2023)
- 9.4 Latin America SOEC Market Size by Country (2024-2029)
- 9.5 Mexico
- 9.6 Brazil

10 MIDDLE EAST & AFRICA

10.1 Middle East & Africa SOEC Market Size (2018-2029)
10.2 Middle East & Africa SOEC Market Growth Rate by Country: 2018 VS 2022 VS
2029
10.3 Middle East & Africa SOEC Market Size by Country (2018-2023)
10.4 Middle East & Africa SOEC Market Size by Country (2024-2029)
10.5 Turkey
10.6 Saudi Arabia
10.7 UAE

11 KEY PLAYERS PROFILES

- 11.1 Sunfire GmbH
 - 11.1.1 Sunfire GmbH Company Detail
 - 11.1.2 Sunfire GmbH Business Overview



- 11.1.3 Sunfire GmbH SOEC Introduction
- 11.1.4 Sunfire GmbH Revenue in SOEC Business (2018-2023)
- 11.1.5 Sunfire GmbH Recent Development
- 11.2 Topsoe
- 11.2.1 Topsoe Company Detail
- 11.2.2 Topsoe Business Overview
- 11.2.3 Topsoe SOEC Introduction
- 11.2.4 Topsoe Revenue in SOEC Business (2018-2023)
- 11.2.5 Topsoe Recent Development
- 11.3 OxEon Energy
- 11.3.1 OxEon Energy Company Detail
- 11.3.2 OxEon Energy Business Overview
- 11.3.3 OxEon Energy SOEC Introduction
- 11.3.4 OxEon Energy Revenue in SOEC Business (2018-2023)
- 11.3.5 OxEon Energy Recent Development

11.4 Ceres

- 11.4.1 Ceres Company Detail
- 11.4.2 Ceres Business Overview
- 11.4.3 Ceres SOEC Introduction
- 11.4.4 Ceres Revenue in SOEC Business (2018-2023)
- 11.4.5 Ceres Recent Development
- 11.5 Elcogen
- 11.5.1 Elcogen Company Detail
- 11.5.2 Elcogen Business Overview
- 11.5.3 Elcogen SOEC Introduction
- 11.5.4 Elcogen Revenue in SOEC Business (2018-2023)
- 11.5.5 Elcogen Recent Development
- 11.6 FuelCell Energy
 - 11.6.1 FuelCell Energy Company Detail
 - 11.6.2 FuelCell Energy Business Overview
 - 11.6.3 FuelCell Energy SOEC Introduction
 - 11.6.4 FuelCell Energy Revenue in SOEC Business (2018-2023)
 - 11.6.5 FuelCell Energy Recent Development
- 11.7 Egen Energy
 - 11.7.1 Egen Energy Company Detail
 - 11.7.2 Egen Energy Business Overview
 - 11.7.3 Egen Energy SOEC Introduction
 - 11.7.4 Egen Energy Revenue in SOEC Business (2018-2023)
 - 11.7.5 Egen Energy Recent Development



12 ANALYST'S VIEWPOINTS/CONCLUSIONS

13 APPENDIX

- 13.1 Research Methodology
 - 13.1.1 Methodology/Research Approach
 - 13.1.2 Data Source
- 13.2 Disclaimer
- 13.3 Author Details



List Of Tables

LIST OF TABLES

Table 1. Global SOEC Market Size Growth Rate by Type (US\$ Million): 2018 VS 2022 VS 2029

Table 2. Key Players of Oxygen Ion Conducting

Table 3. Key Players of Proton Conducting

Table 4. Global SOEC Market Size Growth by Application (US\$ Million): 2018 VS 2022 VS 2029

Table 5. Global SOEC Market Size by Region (US\$ Million): 2018 VS 2022 VS 2029

Table 6. Global SOEC Market Size by Region (2018-2023) & (US\$ Million)

Table 7. Global SOEC Market Share by Region (2018-2023)

Table 8. Global SOEC Forecasted Market Size by Region (2024-2029) & (US\$ Million)

- Table 9. Global SOEC Market Share by Region (2024-2029)
- Table 10. SOEC Market Trends
- Table 11. SOEC Market Drivers
- Table 12. SOEC Market Challenges
- Table 13. SOEC Market Restraints
- Table 14. Global SOEC Revenue by Players (2018-2023) & (US\$ Million)
- Table 15. Global SOEC Market Share by Players (2018-2023)
- Table 16. Global Top SOEC Players by Company Type (Tier 1, Tier 2, and Tier 3) &
- (based on the Revenue in SOEC as of 2022)

Table 17. Ranking of Global Top SOEC Companies by Revenue (US\$ Million) in 2022

Table 18. Global 5 Largest Players Market Share by SOEC Revenue (CR5 and HHI) & (2018-2023)

- Table 19. Key Players Headquarters and Area Served
- Table 20. Key Players SOEC Product Solution and Service
- Table 21. Date of Enter into SOEC Market
- Table 22. Mergers & Acquisitions, Expansion Plans
- Table 23. Global SOEC Market Size by Type (2018-2023) & (US\$ Million)
- Table 24. Global SOEC Revenue Market Share by Type (2018-2023)
- Table 25. Global SOEC Forecasted Market Size by Type (2024-2029) & (US\$ Million)
- Table 26. Global SOEC Revenue Market Share by Type (2024-2029)
- Table 27. Global SOEC Market Size by Application (2018-2023) & (US\$ Million)
- Table 28. Global SOEC Revenue Market Share by Application (2018-2023)

Table 29. Global SOEC Forecasted Market Size by Application (2024-2029) & (US\$ Million)

 Table 30. Global SOEC Revenue Market Share by Application (2024-2029)



Table 31. North America SOEC Market Size Growth Rate by Country (US\$ Million): 2018 VS 2022 VS 2029

Table 32. North America SOEC Market Size by Country (2018-2023) & (US\$ Million) Table 33. North America SOEC Market Size by Country (2024-2029) & (US\$ Million) Table 34. Europe SOEC Market Size Growth Rate by Country (US\$ Million): 2018 VS 2022 VS 2029

Table 35. Europe SOEC Market Size by Country (2018-2023) & (US\$ Million)

Table 36. Europe SOEC Market Size by Country (2024-2029) & (US\$ Million)

Table 37. Asia-Pacific SOEC Market Size Growth Rate by Region (US\$ Million): 2018 VS 2022 VS 2029

Table 38. Asia-Pacific SOEC Market Size by Region (2018-2023) & (US\$ Million)

Table 39. Asia-Pacific SOEC Market Size by Region (2024-2029) & (US\$ Million)

Table 40. Latin America SOEC Market Size Growth Rate by Country (US\$ Million): 2018 VS 2022 VS 2029

Table 41. Latin America SOEC Market Size by Country (2018-2023) & (US\$ Million)

Table 42. Latin America SOEC Market Size by Country (2024-2029) & (US\$ Million)

Table 43. Middle East & Africa SOEC Market Size Growth Rate by Country (US\$Million): 2018 VS 2022 VS 2029

Table 44. Middle East & Africa SOEC Market Size by Country (2018-2023) & (US\$ Million)

Table 45. Middle East & Africa SOEC Market Size by Country (2024-2029) & (US\$ Million)

Table 46. Sunfire GmbH Company Detail

Table 47. Sunfire GmbH Business Overview

Table 48. Sunfire GmbH SOEC Product

Table 49. Sunfire GmbH Revenue in SOEC Business (2018-2023) & (US\$ Million)

- Table 50. Sunfire GmbH Recent Development
- Table 51. Topsoe Company Detail
- Table 52. Topsoe Business Overview
- Table 53. Topsoe SOEC Product
- Table 54. Topsoe Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 55. Topsoe Recent Development
- Table 56. OxEon Energy Company Detail
- Table 57. OxEon Energy Business Overview
- Table 58. OxEon Energy SOEC Product
- Table 59. OxEon Energy Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 60. OxEon Energy Recent Development
- Table 61. Ceres Company Detail
- Table 62. Ceres Business Overview



- Table 63. Ceres SOEC Product
- Table 64. Ceres Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 65. Ceres Recent Development
- Table 66. Elcogen Company Detail
- Table 67. Elcogen Business Overview
- Table 68. Elcogen SOEC Product
- Table 69. Elcogen Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 70. Elcogen Recent Development
- Table 71. FuelCell Energy Company Detail
- Table 72. FuelCell Energy Business Overview
- Table 73. FuelCell Energy SOEC Product
- Table 74. FuelCell Energy Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 75. FuelCell Energy Recent Development
- Table 76. Egen Energy Company Detail
- Table 77. Egen Energy Business Overview
- Table 78. Egen Energy SOEC Product
- Table 79. Egen Energy Revenue in SOEC Business (2018-2023) & (US\$ Million)
- Table 80. Egen Energy Recent Development
- Table 81. Research Programs/Design for This Report
- Table 82. Key Data Information from Secondary Sources
- Table 83. Key Data Information from Primary Sources



List Of Figures

LIST OF FIGURES

- Figure 1. Global SOEC Market Size Comparison by Type (2023-2029) & (US\$ Million)
- Figure 2. Global SOEC Market Share by Type: 2022 VS 2029
- Figure 3. Oxygen Ion Conducting Features
- Figure 4. Proton Conducting Features
- Figure 5. Global SOEC Market Size Comparison by Application (2023-2029) & (US\$ Million)
- Figure 6. Global SOEC Market Share by Application: 2022 VS 2029
- Figure 7. Chemicals and Refineries Case Studies
- Figure 8. Power Plants Case Studies
- Figure 9. Steel Plant Case Studies
- Figure 10. Others Case Studies
- Figure 11. SOEC Report Years Considered
- Figure 12. Global SOEC Market Size (US\$ Million), Year-over-Year: 2018-2029
- Figure 13. Global SOEC Market Size, (US\$ Million), 2018 VS 2022 VS 2029
- Figure 14. Global SOEC Market Share by Region: 2022 VS 2029
- Figure 15. Global SOEC Market Share by Players in 2022
- Figure 16. Global Top SOEC Players by Company Type (Tier 1, Tier 2, and Tier 3) &
- (based on the Revenue in SOEC as of 2022)
- Figure 17. The Top 10 and 5 Players Market Share by SOEC Revenue in 2022
- Figure 18. North America SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 19. North America SOEC Market Share by Country (2018-2029)
- Figure 20. United States SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 21. Canada SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 22. Europe SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 23. Europe SOEC Market Share by Country (2018-2029)
- Figure 24. Germany SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 25. France SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 26. U.K. SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 27. Italy SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 28. Russia SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 29. Nordic Countries SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 30. Asia-Pacific SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 31. Asia-Pacific SOEC Market Share by Region (2018-2029)
- Figure 32. China SOEC Market Size YoY Growth (2018-2029) & (US\$ Million)



Figure 33. Japan SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 34. South Korea SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 35. Southeast Asia SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 36. India SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 37. Australia SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 38. Latin America SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 39. Latin America SOEC Market Share by Country (2018-2029) Figure 40. Mexico SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 41. Brazil SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 42. Middle East & Africa SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 43. Middle East & Africa SOEC Market Share by Country (2018-2029) Figure 44. Turkey SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 45. Saudi Arabia SOEC Market Size YoY Growth (2018-2029) & (US\$ Million) Figure 46. Sunfire GmbH Revenue Growth Rate in SOEC Business (2018-2023) Figure 47. Topsoe Revenue Growth Rate in SOEC Business (2018-2023) Figure 48. OxEon Energy Revenue Growth Rate in SOEC Business (2018-2023) Figure 49. Ceres Revenue Growth Rate in SOEC Business (2018-2023) Figure 50. Elcogen Revenue Growth Rate in SOEC Business (2018-2023) Figure 51. FuelCell Energy Revenue Growth Rate in SOEC Business (2018-2023) Figure 52. Egen Energy Revenue Growth Rate in SOEC Business (2018-2023) Figure 53. Bottom-up and Top-down Approaches for This Report Figure 54. Data Triangulation Figure 55. Key Executives Interviewed



I would like to order

Product name: Global SOEC Market Research Report 2023 Product link: https://marketpublishers.com/r/G6E35CB5CED9EN.html Price: US\$ 2,900.00 (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 <u>https://marketpublishers.com/r/G6E35CB5CED9EN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970