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Global Superconducting Cables Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

Summary

Superconducting power cables act as a bridge between electric energy transmission and distribution. In a superconducting power cable, a superconducting conductor that reaches superconductivity of zero electric resistance below a specific low temperature is used, allowing low-loss transmission of large currents. Superconducting cables with just 20 percent of the thickness of copper cables have an advantage of heightening electric power transmission dimensions a maximum of 10 times (5 times in alternating current, 10 times in direct current) compared to previous cables by using the superconducting phenomenon that electric resistance disappears at -196?. This means that there is hardly any dissipation of electricity during power transmission. At present, many national research institutions and cable manufacturers are researching and developing this product. The cable market will completely switch to superconducting cables in the future. Many governments are supporting businesses for the commercialization because of the enormous cost of the project. Our data only covers manufacturer revenue from superconducting power cables. Cooling equipment is generally provided by industrial gas manufacturers, so this part of income is not counted.

According to APO Research, The global Superconducting Cables market is projected to grow from US$ million in 2024 to US$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Superconducting Cables is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

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Asia-Pacific market for Superconducting Cables is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Superconducting Cables is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Superconducting Cables is estimated to increase from $ million in 2024 to reach $ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Superconducting Cables include Nexans, AMSC, MetOx, Furukawa Electric, STI, Bruker, Fujikura, SEI and SuNam, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Superconducting Cables production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Superconducting Cables by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Superconducting Cables, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Superconducting Cables, also provides the consumption of main regions and countries. Of the upcoming market potential for Superconducting Cables, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Superconducting Cables sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the

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major stakeholders in the global Superconducting Cables market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Superconducting Cables sales, projected growth trends, production technology, application and end-user industry.

Superconducting Cables segment by Company

Nexans

AMSC

MetOx

Furukawa Electric

STI

Bruker

Fujikura

SEI

SuNam

SHSC

Innost

Superconducting Cables segment by Type

YBCO Cables

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- Bi-2212 Cables
- Bi2223 Cables
- Others

Superconducting Cables segment by Application

- Grid and Smart Grid
- Industrial Applications
- Others

Superconducting Cables segment by Region

- North America
  - U.S.
  - Canada
- Europe
  - Germany
  - France
  - U.K.
  - Italy
  - Russia
- Asia-Pacific

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China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.

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2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.

3. To split the breakdown data by regions, type, manufacturers, and Application.

4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.

5. To identify significant trends, drivers, influence factors in global and regions.

6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Superconducting Cables market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Superconducting Cables and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception

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concerning the adoption of Superconducting Cables.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Superconducting Cables market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Superconducting Cables industry.

Chapter 3: Detailed analysis of Superconducting Cables market competition landscape. Including Superconducting Cables manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Superconducting Cables by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Superconducting Cables in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

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Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

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