

# Global Normal Temperature Superconductor Technology Market Growth (Status and Outlook) 2023-2029

<https://marketpublishers.com/r/G21AFC69B610EN.html>

Date: March 2023

Pages: 83

Price: US\$ 3,660.00 (Single User License)

ID: G21AFC69B610EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to this study, the global Normal Temperature Superconductor Technology market size will reach US\$ million by 2029.

On March 7th, 2023, Pacific Standard Time, Ranga Dias and his team at the University of Rochester in New York announced a significant breakthrough in the field of room-temperature superconductivity at the American Physical Society conference held in Las Vegas. In their report titled 'Superconducting Properties of Hydrides Under Near Room-Temperature and High-Pressure Conditions,' the Dias team observed superconductivity in a new material made of hydrogen, nitrogen, and lutetium under 1GPa pressure and near-room-temperature conditions of 294K (21°C).

Normal temperature superconductivity (NTS) refers to the hypothetical ability of a material to conduct electricity with zero resistance at room temperature or higher. Currently, superconductivity is only observed at very low temperatures, typically below -100°C, which limits the practical applications of superconductors.

The development of NTS technology would revolutionize many fields, from power transmission to medical imaging to transportation. However, it is still a highly speculative area of research, and no known material exhibits superconductivity at room temperature or higher.

This report presents a comprehensive overview, market shares, and growth opportunities of Normal Temperature Superconductor Technology market by product

type, application, key players and key regions and countries.

Segmentation by product type:

2.67 Million Atmospheres of Pressure

10,000 Atmospheres of Pressure

Others

Segmentation by Application:

Superconducting Electricity

Superconducting Resonance Medical

Maglev Transportation

Others

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Team Ranga Dias, University of Rochester, New York

IBM

University of Houston

University of Tokyo

Los Alamos National Laboratory

University of Cambridge

University of Maryland

University of Illinois at Urbana-Champaign

University of Oslo

University of Geneva

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Normal Temperature Superconductor Technology Market Size 2024-2029
  - 2.1.2 Normal Temperature Superconductor Technology Market Size CAGR by Region
- 2.2 Normal Temperature Superconductor Technology Segment by Type
  - 2.2.1 2.67 Million Atmospheres of Pressure
  - 2.2.2 10,000 Atmospheres of Pressure
  - 2.2.3 Others
- 2.3 Normal Temperature Superconductor Technology Market Size by Type
  - 2.3.1 Global Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)
  - 2.3.2 Global Normal Temperature Superconductor Technology Market Size Growth Rate by Type (2024-2029)
- 2.4 Normal Temperature Superconductor Technology Segment by Application
  - 2.4.1 Superconducting Electricity
  - 2.4.2 Superconducting Resonance Medical
  - 2.4.3 Maglev Transportation
  - 2.4.4 Others
- 2.5 Normal Temperature Superconductor Technology Market Size by Application
  - 2.5.1 Global Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)
  - 2.5.2 Global Normal Temperature Superconductor Technology Market Size Growth Rate by Application (2024-2029)

### 3 NORMAL TEMPERATURE SUPERCONDUCTOR TECHNOLOGY KEY PLAYERS

- 3.1 Date of Key Players Enter into Normal Temperature Superconductor Technology
- 3.2 Key Players Normal Temperature Superconductor Technology Product Offered
- 3.3 Key Players Normal Temperature Superconductor Technology Funding/Investment Analysis
- 3.4 Funding/Investment
  - 3.4.1 Funding/Investment by Regions
  - 3.4.2 Funding/Investment by End-Industry
- 3.5 Key Players Normal Temperature Superconductor Technology Valuation & Market Capitalization
- 3.6 Key Players Mergers & Acquisitions, Expansion Plans
- 3.7 Market Ranking
- 3.8 New Product/Technology Launches
- 3.9 Partnerships, Agreements, and Collaborations
- 3.10 Mergers and Acquisitions

## **4 NORMAL TEMPERATURE SUPERCONDUCTOR TECHNOLOGY BY REGIONS**

- 4.1 Normal Temperature Superconductor Technology Market Size by Regions (2024-2029)
- 4.2 United States Normal Temperature Superconductor Technology Market Size Growth (2024-2029)
- 4.3 China Normal Temperature Superconductor Technology Market Size Growth (2024-2029)
- 4.4 Europe Normal Temperature Superconductor Technology Market Size Growth (2024-2029)
- 4.5 Rest of World Normal Temperature Superconductor Technology Market Size Growth (2024-2029)

## **5 UNITED STATES**

- 5.1 United States Normal Temperature Superconductor Technology Market Size by Type (2024-2029)
- 5.2 United States Normal Temperature Superconductor Technology Market Size by Application (2024-2029)

## **6 EUROPE**

- 6.1 Europe Normal Temperature Superconductor Technology Market Size by Type (2024-2029)

6.2 Europe Normal Temperature Superconductor Technology Market Size by Application (2024-2029)

## **7 CHINA**

7.1 China Normal Temperature Superconductor Technology Market Size by Type (2024-2029)

7.2 China Normal Temperature Superconductor Technology Market Size by Application (2024-2029)

## **8 REST OF WORLD**

8.1 Rest of World Normal Temperature Superconductor Technology Market Size by Type (2024-2029)

8.2 Rest of World Normal Temperature Superconductor Technology Market Size by Application (2024-2029)

8.3 Japan

8.4 South Korea

8.5 Southeast Asia

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 KEY INVESTORS IN NORMAL TEMPERATURE SUPERCONDUCTOR TECHNOLOGY**

10.1 Company A

10.1.1 Company A Company Details

10.1.2 Company Description

10.1.3 Companies Invested by Company A

10.1.4 Company A Key Development and Market Layout

10.2 Company B

10.2.1 Company B Company Details

10.2.2 Company Description

10.2.3 Companies Invested by Company B

10.2.4 Company B Key Development and Market Layout

## 10.3 Company C

10.3.1 Company C Company Details

10.3.2 Company Description

10.3.3 Companies Invested by Company C

10.3.4 Company C Key Development and Market Layout

## 10.4 Company D

10.5 .....

## 11 KEY PLAYERS ANALYSIS

### 11.1 Team Ranga Dias, University of Rochester, New York

11.1.1 Team Ranga Dias, University of Rochester, New York Company Details

11.1.2 Team Ranga Dias, University of Rochester, New York Normal Temperature Superconductor Technology Product Offered

11.1.3 Team Ranga Dias, University of Rochester, New York Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

11.1.4 Team Ranga Dias, University of Rochester, New York Main Business Overview

11.1.5 Team Ranga Dias, University of Rochester, New York News

### 11.2 IBM

11.2.1 IBM Company Details

11.2.2 IBM Normal Temperature Superconductor Technology Product Offered

11.2.3 IBM Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

11.2.4 IBM Main Business Overview

11.2.5 IBM News

### 11.3 University of Houston

11.3.1 University of Houston Company Details

11.3.2 University of Houston Normal Temperature Superconductor Technology Product Offered

11.3.3 University of Houston Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

11.3.4 University of Houston Main Business Overview

11.3.5 University of Houston News

### 11.4 University of Tokyo

11.4.1 University of Tokyo Company Details

11.4.2 University of Tokyo Normal Temperature Superconductor Technology Product Offered

11.4.3 University of Tokyo Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

- 11.4.4 University of Tokyo Main Business Overview
- 11.4.5 University of Tokyo News
- 11.5 Los Alamos National Laboratory
  - 11.5.1 Los Alamos National Laboratory Company Details
  - 11.5.2 Los Alamos National Laboratory Normal Temperature Superconductor Technology Product Offered
  - 11.5.3 Los Alamos National Laboratory Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
  - 11.5.4 Los Alamos National Laboratory Main Business Overview
  - 11.5.5 Los Alamos National Laboratory News
- 11.6 University of Cambridge
  - 11.6.1 University of Cambridge Company Details
  - 11.6.2 University of Cambridge Normal Temperature Superconductor Technology Product Offered
  - 11.6.3 University of Cambridge Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
  - 11.6.4 University of Cambridge Main Business Overview
  - 11.6.5 University of Cambridge News
- 11.7 University of Maryland
  - 11.7.1 University of Maryland Company Details
  - 11.7.2 University of Maryland Normal Temperature Superconductor Technology Product Offered
  - 11.7.3 University of Maryland Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
  - 11.7.4 University of Maryland Main Business Overview
  - 11.7.5 University of Maryland News
- 11.8 University of Illinois at Urbana-Champaign
  - 11.8.1 University of Illinois at Urbana-Champaign Company Details
  - 11.8.2 University of Illinois at Urbana-Champaign Normal Temperature Superconductor Technology Product Offered
  - 11.8.3 University of Illinois at Urbana-Champaign Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
  - 11.8.4 University of Illinois at Urbana-Champaign Main Business Overview
  - 11.8.5 University of Illinois at Urbana-Champaign News
- 11.9 University of Oslo
  - 11.9.1 University of Oslo Company Details
  - 11.9.2 University of Oslo Normal Temperature Superconductor Technology Product Offered
  - 11.9.3 University of Oslo Normal Temperature Superconductor Technology Market



Size (2023 VS 2029)

11.9.4 University of Oslo Main Business Overview

11.9.5 University of Oslo News

11.10 University of Geneva

11.10.1 University of Geneva Company Details

11.10.2 University of Geneva Normal Temperature Superconductor Technology

Product Offered

11.10.3 University of Geneva Normal Temperature Superconductor Technology

Market Size (2023 VS 2029)

11.10.4 University of Geneva Main Business Overview

11.10.5 University of Geneva News

## **12 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Normal Temperature Superconductor Technology Market Size CAGR by Region (2024-2029) (\$ Millions)

Table 2. Major Players of 2.67 Million Atmospheres of Pressure

Table 3. Major Players of 10,000 Atmospheres of Pressure

Table 4. Major Players of Others

Table 5. Global Normal Temperature Superconductor Technology Market Size by Type (2024-2029) (\$ Millions)

Table 6. Global Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)

Table 7. Global Normal Temperature Superconductor Technology Market Size by Application (2024-2029) (\$ Millions)

Table 8. Global Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)

Table 9. Date of Global Key Players Enter into Normal Temperature Superconductor Technology Market

Table 10. Global Key Players Normal Temperature Superconductor Technology Product Offered

Table 11. Key Players Normal Temperature Superconductor Technology Funding/Investment (\$ Millions)

Table 12. Funding/Investment by Regions

Table 13. Funding/Investment by End Industry

Table 14. Key Players Normal Temperature Superconductor Technology Valuation & Market Capitalization (\$ Millions)

Table 15. Key Players Mergers & Acquisitions, Expansion Plans

Table 16. Normal Temperature Superconductor Technology New Product/Technology Launches

Table 17. Normal Temperature Superconductor Technology Industry Partnerships, Agreements, and Collaborations

Table 18. Normal Temperature Superconductor Technology Industry Mergers and Acquisitions

Table 19. Global Normal Temperature Superconductor Technology Market Size by Regions 2024-2029 (\$ Millions)

Table 20. Global Normal Temperature Superconductor Technology Market Size Market Share by Regions 2024-2029

Table 21. United States Normal Temperature Superconductor Technology Market Size

by Type (2024-2029) (\$ Millions)

Table 22. United States Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)

Table 23. United States Normal Temperature Superconductor Technology Market Size by Application (2024-2029) (\$ Millions)

Table 24. United States Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)

Table 25. Europe Normal Temperature Superconductor Technology Market Size by Type (2024-2029) (\$ Millions)

Table 26. Europe Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)

Table 27. Europe Normal Temperature Superconductor Technology Market Size by Application (2024-2029) (\$ Millions)

Table 28. Europe Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)

Table 29. China Normal Temperature Superconductor Technology Market Size by Type (2024-2029) (\$ Millions)

Table 30. China Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)

Table 31. China Normal Temperature Superconductor Technology Market Size by Application (2024-2029) (\$ Millions)

Table 32. China Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)

Table 33. Rest of World Normal Temperature Superconductor Technology Market Size by Type (2024-2029) (\$ Millions)

Table 34. Rest of World Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)

Table 35. Rest of World Normal Temperature Superconductor Technology Market Size by Application (2024-2029) (\$ Millions)

Table 36. Rest of World Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)

Table 37. Key Market Drivers & Growth Opportunities of Normal Temperature Superconductor Technology

Table 38. Key Market Challenges & Risks of Normal Temperature Superconductor Technology

Table 39. Key Industry Trends of Normal Temperature Superconductor Technology

Table 40. Company A Company Details

Table 41. Companies Invested by Company A

Table 42. Company A Key Development and Market Layout

- Table 43. Company B Company Details
- Table 44. Companies Invested by Company B
- Table 45. Company B Key Development and Market Layout
- Table 46. Company C Company Details
- Table 47. Companies Invested by Company C
- Table 48. Company C Key Development and Market Layout
- Table 49. Company C Company Details
- Table 50. Companies Invested by Company C
- Table 51. Company C Key Development and Market Layout
- Table 52. Team Ranga Dias, University of Rochester, New York Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 53. Team Ranga Dias, University of Rochester, New York Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 54. IBM Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 55. IBM Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 56. University of Houston Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 57. University of Houston Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 58. University of Tokyo Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 59. University of Tokyo Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 60. Los Alamos National Laboratory Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 61. Los Alamos National Laboratory Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 62. University of Cambridge Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 63. University of Cambridge Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 64. University of Maryland Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 65. University of Maryland Normal Temperature Superconductor Technology Market Size (2023 VS 2029)
- Table 66. University of Illinois at Urbana-Champaign Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 67. University of Illinois at Urbana-Champaign Normal Temperature

Superconductor Technology Market Size (2023 VS 2029)

Table 68. University of Oslo Basic Information, Head Office, Major Market Areas and Its Competitors

Table 69. University of Oslo Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

Table 70. University of Geneva Basic Information, Head Office, Major Market Areas and Its Competitors

Table 71. University of Geneva Normal Temperature Superconductor Technology Market Size (2023 VS 2029)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Normal Temperature Superconductor Technology
- Figure 2. Normal Temperature Superconductor Technology Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Normal Temperature Superconductor Technology Market Size Growth Rate 2024-2029 (\$ Millions)
- Figure 7. Normal Temperature Superconductor Technology Market Size by Region (2023 & 2029) (\$ millions)
- Figure 8. Global Normal Temperature Superconductor Technology Market Size Market Share by Type (2024-2029)
- Figure 9. Global 2.67 Million Atmospheres of Pressure Market Size Growth Rate
- Figure 10. Global 10,000 Atmospheres of Pressure Market Size Growth Rate
- Figure 11. Global Others Market Size Growth Rate
- Figure 12. Normal Temperature Superconductor Technology in Superconducting Electricity
- Figure 13. Global Normal Temperature Superconductor Technology Market: Superconducting Electricity (2024-2029) (\$ Millions)
- Figure 14. Normal Temperature Superconductor Technology in Superconducting Resonance Medical
- Figure 15. Global Normal Temperature Superconductor Technology Market: Superconducting Resonance Medical (2024-2029) (\$ Millions)
- Figure 16. Normal Temperature Superconductor Technology in Maglev Transportation
- Figure 17. Global Normal Temperature Superconductor Technology Market: Maglev Transportation (2024-2029) (\$ Millions)
- Figure 18. Normal Temperature Superconductor Technology in Others
- Figure 19. Global Normal Temperature Superconductor Technology Market: Others (2024-2029) (\$ Millions)
- Figure 20. Global Normal Temperature Superconductor Technology Market Size Market Share by Application (2024-2029)
- Figure 21. Global Normal Temperature Superconductor Technology Market Size in Superconducting Electricity Growth Rate
- Figure 22. Global Normal Temperature Superconductor Technology Market Size in Superconducting Resonance Medical Growth Rate
- Figure 23. Global Normal Temperature Superconductor Technology Market Size in

Maglev Transportation Growth Rate

Figure 24. Global Normal Temperature Superconductor Technology Market Size in Others Growth Rate

Figure 25. Funding/Investment

Figure 26. Global Normal Temperature Superconductor Technology Market Size Market Share by Regions 2024-2029

Figure 27. United States Normal Temperature Superconductor Technology Market Size 2024-2029 (\$ Millions)

Figure 28. China Normal Temperature Superconductor Technology Market Size 2024-2029 (\$ Millions)

Figure 29. Europe Normal Temperature Superconductor Technology Market Size 2024-2029 (\$ Millions)

Figure 30. Rest of World Normal Temperature Superconductor Technology Market Size 2024-2029 (\$ Millions)

Figure 31. United States Normal Temperature Superconductor Technology Consumption Market Share by Type in 2029

Figure 32. United States Normal Temperature Superconductor Technology Market Size Market Share by Application in 2029

Figure 33. China Normal Temperature Superconductor Technology Consumption Market Share by Type in 2029

Figure 34. China Normal Temperature Superconductor Technology Market Size Market Share by Application in 2029

Figure 35. Europe Normal Temperature Superconductor Technology Consumption Market Share by Type in 2029

Figure 36. Europe Normal Temperature Superconductor Technology Market Size Market Share by Application in 2029

Figure 37. Rest of World Normal Temperature Superconductor Technology Consumption Market Share by Type in 2029

Figure 38. Rest of World Normal Temperature Superconductor Technology Market Size Market Share by Application in 2029

## I would like to order

Product name: Global Normal Temperature Superconductor Technology Market Growth (Status and Outlook) 2023-2029

Product link: <https://marketpublishers.com/r/G21AFC69B610EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G21AFC69B610EN.html>

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**

Customer signature \_\_\_\_\_

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

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



