

# Global Nitrogen-doped Carbon Nanotube(N-CNTs) Market Growth 2026-2032

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## Abstracts

The global Nitrogen-doped Carbon Nanotube(N-CNTs) market size is predicted to grow from US\$ 80.37 million in 2025 to US\$ 224 million in 2032; it is expected to grow at a CAGR of 16.1% from 2026 to 2032.

Nitrogen-doped carbon nanotubes (N-CNTs) can be produced through five main methods; chemical vapor deposition (CVD), high-temperature and high-pressure reactions, gas-solid reaction of amorphous carbon with NH<sub>3</sub> at high temperature, solid reaction, and solvothermal synthesis.

Nitrogen doping plays a pivotal role in lithium storage, as it creates defects in the CNT walls allowing for Li ions to diffuse into interwall space. It also increases capacity by providing more favorable bind of N-doped sites. N-CNTs are also much more reactive to metal oxide nanoparticle deposition which can further enhance storage capacity, especially in anode materials for Li-ion batteries.

LP Information, Inc. (LPI) ' newest research report, the "Nitrogen-doped Carbon Nanotube(N-CNTs) Industry Forecast" looks at past sales and reviews total world Nitrogen-doped Carbon Nanotube(N-CNTs) sales in 2025, providing a comprehensive analysis by region and market sector of projected Nitrogen-doped Carbon Nanotube(N-CNTs) sales for 2026 through 2032. With Nitrogen-doped Carbon Nanotube(N-CNTs) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nitrogen-doped Carbon Nanotube(N-CNTs) industry.

This Insight Report provides a comprehensive analysis of the global Nitrogen-doped Carbon Nanotube(N-CNTs) landscape and highlights key trends related to product

segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Nitrogen-doped Carbon Nanotube(N-CNTs) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nitrogen-doped Carbon Nanotube(N-CNTs) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nitrogen-doped Carbon Nanotube(N-CNTs) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nitrogen-doped Carbon Nanotube(N-CNTs).

This report presents a comprehensive overview, market shares, and growth opportunities of Nitrogen-doped Carbon Nanotube(N-CNTs) market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

0.98

0.99

Others

#### Segmentation by Application:

Catalysts

Lithium-battery Anodes

Nanotube Composites

Supercapacitor

Others

This report also splits the market by region:

#### Americas

United States

Canada

Mexico

Brazil

#### APAC

China

Japan

Korea

Southeast Asia

India

Australia

#### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

ACS Material

US Research Nanomaterials Inc

Otto Chemie Pvt Ltd

Nanochemazone

Nanografi Nano Technology

Jiangsu Xfnano Materials

Hongwu Enterprise Group

Xi'an Qiyue Biotechnology Co., Ltd.

Markanda Nanoscience (OPC) Private Limited

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nitrogen-doped Carbon Nanotube(N-CNTs) market?

What factors are driving Nitrogen-doped Carbon Nanotube(N-CNTs) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nitrogen-doped Carbon Nanotube(N-CNTs) market opportunities vary by end market size?

How does Nitrogen-doped Carbon Nanotube(N-CNTs) break out by Type, by Application?

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