

Global Graphene Nanocomposites Market Size study, by Product Type (Graphene Oxide (GO), Graphene Nano Platelets) by Application (Electronics, Energy Storage, Automotive & Aerospace, Polymer Composites, Medical & Bio-Medical, Water Treatment, Research & Development) and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G096833B9F49EN.html>

Date: April 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G096833B9F49EN

Abstracts

Global Graphene Nanocomposites Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Graphene Nanocomposites are produced by chemical treatment of graphite through oxidation (process in which a chemical substance change because of the addition of oxygen). Graphene and its derivatives such as graphene oxide (GO) and reduced GO (rGO) features excellent electrical, mechanical, and electrochemical properties. Graphene Nanocomposites are used across industries such as building & construction, electrical & electronics, automotive, aerospace, biomedical, among others. Growing electronics industry and rising adoption in Water Treatment application are key drivers for the growth of Graphene Nanocomposites market. For instance, according to global database Management company Statista- As of 2022, revenue in the Consumer Electronics market estimated at USD 1.05 trillion and the market is expected to grow annually by 1.82% from 2022 to 2026 and would reach to USD 1.13 trillion. Furthermore, In December 2019, Perpetuus Advanced Materials PLC has partnered with XG Sciences Inc. to supply graphene to North American tire manufacturers. Furthermore, in December 2021, Nanoplore, Inc. has acquired Canuck Compounds Inc. for a total cash consideration of USD 9.3 million. Also, with growing R&D activities in electronics industry and rising penetration of Smart Drug Delivery systems, the adoption & demand for Graphene Nanocomposites is likely to increase the

market growth during the forecast period. However, high manufacturing cost of Graphene Nanocomposites and Presence of patent protection impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Graphene Nanocomposites Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading region across the world in terms of market share owing to presence of leading market players and rising medical and bio-medical sector in the region. Whereas, Asia-Pacific is anticipated to exhibit highest growth rate over the forecast period 2022-2028. Factors such as growing electronics sector and rising water treatment industry in the region would create lucrative growth prospects for the Graphene Nanocomposites market across Asia-Pacific region.

Major market player included in this report are:

Versarien Plc

Haydale Graphene Industries Plc

Graphenea S.A

Applied Graphene Materials PLC

Taiwan Graphene Co., Ltd.

Ningbo Moxi Technology Co., Ltd

Graphene Tech, S.L.

XG Sciences Inc.

NanoXplore, Inc

Directa Plus Plc

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Graphene Oxide (GO)

Graphene Nano Platelets

By Application:

Electronics

Energy Storage

Automotive & Aerospace
Polymer Composites
Medical & Bio-Medical
Water Treatment
Research & Development

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Graphene Nanocomposites Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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