

# Graphene Sensor Market - Forecasts from 2019 to 2024

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## Abstracts

Graphene sensors market is projected to grow at a CAGR of 38.75% during the forecast period, reaching a total market size of US\$981.087 million in 2024 from US\$137.473 million in 2018. Graphene is a two-dimensional material made of carbon atoms. It is 200 times stronger than steel but is still lightweight and transparent. Graphene is so dense that it does not even let the smallest helium atom pass through it. Graphene is used widely in biosensors and diagnostics as it enhances the surface loading of desired biomolecules, excellent conductivity and electrode surface. It also enables the sensors to be smaller and lighter providing endless design possibilities. In comparison to traditional sensors, graphene sensors are quick and less expensive and can even detect small changes. The market for graphene sensors is driven by the increasing awareness about health and increasing use of nanotechnology in various industry verticals. Also, the various technological innovations and developments in relation to nanotechnology will also support the growth of the market.

The “Graphene Sensors Market – Forecasts from 2019 to 2024” is an exhaustive study that aims to present the key market trends through various chapters focusing on different aspects of the market. The study provides a detailed market overview through the market dynamics sections which detail key market, drivers, restraints, and opportunities in the current market. The report analyzes key opportunity regional markets, and the current technology penetration through lifecycle analysis. The report also analyzes the market through comprehensive market segmentation by product type, end-user industry, and geography.

The graphene sensors market has been segmented based on product type, end-user industry, and geography. By product type, the market is classified as biosensors, optical sensors, temperature sensors, and others. By the end-user industry, the market is

classified as healthcare, consumer electronics, aerospace and defense, and automotive.

Regional analysis has been provided with detailed analysis and forecast for the period 2018 to 2024. The global market has been broken down into North America, Europe, Asia Pacific, and rest of the world. The report provides thorough analysis and forecast along with prevailing market trends and opportunities which each of these regions present for the manufacturers.

Major players in the graphene sensors market have been covered along with their relative competitive position and strategies. The report also mentions recent deals and investments of different market players over the last year. The company profiles section details the business overview, financial performance for the past three years, key products and services being offered along with the recent developments of these important players in the graphene sensors market.

Segmentation:

#### By Product Type

Biosensors

Optical Sensors

Temperature Sensors

Others

#### By End-User Industry

Healthcare

Consumer Electronics

Aerospace and Defense

Automotive

#### By Geography

North America

Europe

Asia Pacific

Rest of the World

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