Carbon Nanotubes Market is estimated to be US$ 22.78 billion by 2030 with a CAGR of 19.8% during the forecast period

Carbon nanotubes are a class of minuscule allotropes of carbon with sizes to the scale of nanometers. Their electrical, thermal and physical properties make them ideal for various industrial applications. CNTs possess excellent properties such as high tensile strength, efficient electrical conductivity and have the ability to withstand high temperatures.

The report **"Global Carbon Nanotubes Market, By Type (Multi-Walled Carbon Nanotube, and Single-Walled Carbon Nanotube), By Method (Chemical Vapor Deposition, Catalytic Chemical Vapor Deposition, High-Pressure Carbon Monoxide Reaction, and Others), By Application (Electronics & Semiconductors, Advanced Materials, Chemical & Polymers, Batteries & Capacitors, Aerospace & Defense, Energy, Medical, and Others), and Region - Global Forecast to 2030"**

The major factor driving the global carbon nanotubes market are superior chemical and mechanical properties, emerging demand, high growth in end-use industries such as electrical & electronics and automotive. Also, increasing demand for lightweight and low carbon-emitting vehicles and technological advancements and feasible scenarios will further boost the growth of the global market. Whereas, growing opportunities in emerging applications will provide lucrative growth opportunity to global carbon nanotubes market.

Key Highlights:

- In November 2019, Birla Carbon and Chasm Advanced Materials enter joint development agreement to develop nanotube enhanced carbons.
- In November 2019, University of Pittsburgh announced new research reveals that carbon nanotubes (CNTs) as a coating can both repel and hold water in place, a useful property for applications like printing, spectroscopy, water transport, or harvesting surfaces.

Key Market Insights from the report:

The Carbon Nanotubes Market is estimated to be US$ 22.78 billion by 2030 with a CAGR of 19.8% during the forecast period. The market report has been segmented on the type, method, application and region.

- By type, the multi-walled carbon nanotube is going to dominate in this segment, due to their nature of high conductivity when properly integrated
- By the method, chemical vapour deposition is going to dominate the segment, CVD of hydrocarbons over a metal catalyst is a classical method that has been used by various manufacturers to produce carbon nanotube
- By application, electronics and semiconductor are going to dominate the market, as carbon nanotubes offer unique electrical properties for building electronic devices such as field-effect transistors and diodes.
- By region, Asia-Pacific is projected to lead the global carbon nanotubes market and is expected to remain dominant during the forecast period, due to the increasing adoption of CNTs in automotive, energy, electrical & electronics, and other industries.

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The prominent player operating in the global Carbon Nanotubes market includes Arkema SA, Arry International Group Limited, Advanced Nanopower Inc., Chasm Advanced Materials, Inc., Chengdu Organic Chemicals Co. Ltd., Carbon Solutions, Inc., Cnano Technology Ltd., Cheap Tubes, Inc., Grafen Chemical Industries (Grafen Co.), and Hanwha Corporation.