

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Nanowire Market 2018, Forecast to 2023

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## Abstracts

Nanowire is a type of nanostructures which possess attractive properties such as high electrical, thermal and mechanical properties. It is the solid material in the form of a wire with diameter less than that of 100 nm. It can be synthesized either by top down approach or by bottom up approach. Nanowire finds applications in electrical, magnetic, optical fields. In nanowires, the ballistic movement of electrons are observed and this leads the nanostructure to be employed in various electronic devices. VLS (Vapor-Liquid-Solid) process is one of the most successful approach for the synthesizing single-crystalline semiconductor nanowires. Manufacturers produce nanowires to custom specifications and in bulk quantities. The unique features of the nanowires make them ideal materials for numerous electrical and optical applications, photovoltaics, sensors, transistors, piezoelectric generators, and energy storage technologies.

## SCOPE OF THE REPORT:

This report focuses on the Nanowire in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Nanowires are the key materials used in the transistors. The demand for dimensionally smaller transistors is expected to drive the market for nano wires. The doping process is carried out on the surface of semi conducting nanowires for creating active electronic elements. P-type and N-Type semi-conductors are also manufactured by using the nanowires. The logic gates such as AND, OR, and NOT gates have been built from semiconductor nanowires. Nanowires can be produced with self-assembly techniques, providing complex structures with relatively simple and standard process equipment.

The worldwide market for Nanowire is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ACS Material

Blue Nano

Cambrios

Kemix

Novarials

Nanostructured

3M

C3NANO

Innova Dynamics

Minnesota Wire

nanoComposix

Nano Tech Labs

PlasmaChem

Sisco

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Metal

Plastic

Carbon

Market Segment by Applications, can be divided into

Electronics

Healthcare

R&D

There are 15 Chapters to deeply display the global Nanowire market.

Chapter 1, to describe Nanowire Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Nanowire, with sales, revenue, and price of Nanowire, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share

of Nanowire, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Nanowire market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Nanowire sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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