

Global High-k and ALD/CVD metal precursors Market Size study, by Technology (Interconnect, Capacitors, Gates) and Regional Forecasts 2019-2026

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Abstracts

Global High-k and ALD/CVD metal precursors Market is valued approximately USD 528.99 million in 2018 and is anticipated to grow with a healthy growth rate of more than 7.83 % over the forecast period 2019-2026. High-k and ALD/CVD metal precursors play a vital role in the scaling of semiconductor devices to 10 nm and beyond and also in the Very-Large-Scale Integration (VLSI) technology. Chemical vapor deposition (CVD) and atomic layer deposition (ALD) are procedures employed to create high quality thin film materials. ALD or CVD precursor materials are idyllic for copper, metal and electrode deposition on semiconductor structures utilizing ALD procedures. The process is valuable in producing thin films in the semiconductor industry. Rising demand for semiconductor and electronic devices is considered as a foremost attribute paving the market growth. According to the India Brand Equity Foundation organization (IBEF), the semiconductor industry of India has registered notable growth. As per the Aforementioned source, the semiconductor industry is projected to reach \$50.5 billion by end 2020 from \$10 billion in 2013. Further, as per the World Semiconductor Trade Statistics, worldwide semiconductor industry sales is estimated to reach about \$506 billion in 2020 from \$490 billion in 2019. Further, extensive R&D and government policies supporting semi-conductor industry is expected to create lucrative growth opportunity in the market over the forecast period

The regional analysis of global High-k and ALD/CVD metal precursors market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. Asia Pacific is the leading/significant region across the world in terms of market share owing to rapid growth in electronic industry. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as high application potential of semiconductors in

smartphones and automotive industry would create lucrative growth prospects for the High-k and ALD/CVD metal precursors market across Asia-Pacific region.

Major market player included in this report are:

Air Products and Chemicals, Inc
Merck Group
Dynamic network Factory
DOWDUPONT
Adeka Corporation
UP Chemical Co Ltd.
SAFC Hitech (Sigma-Aldrich Corporation) (Acquired by Merck KGaA)
JSR Corporation
Praxair Inc
TANAKA KIKINZOKU
Nanmat Technology Co. Ltd.

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 Technology:

Interconnect
Capacitors
Gates

By Region:

North America
U.S.
Canada
Europe
UK
Germany
Asia Pacific

China
India
Japan
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global High-k and ALD/CVD metal precursors 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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