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Analyzing the Global Titanium Industry

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Abstracts

The importance of titanium has been growing steadily in the last couple of years. The sheer strength of titanium alloys are unmatchable and are titanium is used widely in the aerospace industry. In fact, the engines of an A380 aircraft used approximately 11 tons of titanium. Apart from the aerospace industry, titanium is used widely in industries such as the automotive industry, chemicals and petrochemicals, power generation, heat exchangers and metallurgy.

However, due to the high cost of titanium refining and processing, the metal is quite expensive, up to almost five times more costly than aluminum. Titanium prices have been souring in the recent years and prices are likely to remain high, driven mainly by demand side events, particularly aircraft demand cycles.

Aruvians Rsearch analyzes the Global Titanium Industry in its research offering Analyzing the Global Titanium Industry. This cutting-edge report on the global titanium industry is a complete profile of the entire titanium market.

The report begins with an analysis of the basics of titanium. We analyze the various characteristics of titanium due to which titanium is so much in demand, the various titanium metal products such as ores and concentrates, titanium sponge, titanium ingot, and titanium mill products. We also look at the processing steps for titanium, along with the applications of titanium and the safety issues with titanium.

An analysis of the titanium supply chain includes the mining and basic processing of mineral sands, chemical processing, metal processing and the end use applications of titanium.

In order to understand the global titanium mining industry, it is necessary to establish the profile of the global mining industry, and we do so in Section D of the report,

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Analyzing the Global Mining Industry. In this section, we analyze the global metals and mining sector in terms of market statistics, market value and volume, market segmentation, and competition in the industry.

Moving on to the analysis of the global titanium industry, we analyze industry profile, industry statistics, the geographic distribution of titanium, trends in titanium mineral concentrates market, the usage of titanium in both the aerospace and non-aerospace industries. Non-aerospace industries analyzed include automotive, chemicals and petrochemicals, power generation, heat exchangers and metallurgy. We also look at the world production of titanium and titanium dioxide, as well as titanium mineral concentrates.

The high cost of titanium is analyzed in the section, along with investments in the global titanium industry, recent titanium price surges, as well as an analysis of the production costs including refining cost, fabrication cost, buy-to-fly ratio and the cost saving technical changes for the market.

An analysis of the oligopoly in the market as well as the major titanium buyers helps the reader understand the industry structure.

Industrial processes used for titanium production are analyzed in Section F. Processes analyzed include the commonly used Kroll and Hunter processes, along with a look at some emerging and established alternative processing methods such as the Armstrong Process, FFC Cambridge process, the MER process, the TiRO process, amongst others.

Global titanium industry trends, challenges facing the industry such as lack of investment, barriers to technology adoption, small market size, etc., are looked at in the following sections. Market drivers including supply side and demand side drivers are also analyzed.

No analysis of the global titanium industry is complete without a look at the global titanium dioxide market. We analyze the global titanium dioxide market in section J of this report. In this section we look at the market statistics, the uses of titanium dioxide, industry trends, as well as pricing trends. We also analyze how the demand for ilmenite, rutile, and slags & synthetic rutile is impacting pricing trends in the industry. Industry feedstock producers, industry processors and industry end users are analyzed as well.

A country-wise analysis of the global titanium industry follows. Countries analyzed

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include Australia, Canada, Chile, China, India, Japan, Kazakhstan, Kenya, Madagascar, Mozambique, Norway, Russia, Senegal, South Africa, Ukraine, the United States, and Vietnam. For the major titanium producing countries such as the US, Ukraine, South Africa, China, and Australia, we include more in-depth data as compared to countries that have smaller or nascent titanium sectors.

The report also takes a brief look at titanium substitutes and complements, before moving on to the industry outlook. The global titanium industry's future perspective is analyzed through an industry outlook, and an outlook for global titanium consumption and production.

Section N of the report analyzes the various industry players through a corporate profile, an analysis of the business segments they operate in, the major products & services, a financial analysis and a SWOT analysis. The SWOT analysis is not available for smaller players.

Aruvians Rsearch's report Analyzing the Global Titanium Industry is a comprehensive strategic analysis of the global titanium and global titanium dioxide industry.

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K. GLOBAL TITANIUM INDUSTRY: COUNTRY-WISE ANALYSIS

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