

Global Palladium Market Outlook to 2027

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Abstracts

Being about 30 times as rare as gold, palladium is a silvery-white platinum group metal (PGM) with the lowest melting point and density in the group. Malleability, ductility, and oxidation stability are some of the properties due to which palladium is welcomed in jewelry. It is one of the crucial elements in white gold. In fact, palladium has hallmarks, namely, 500, 950, and 999, indicating the percentage of palladium present in the articles weighing over a gram. Alongside its catalytic properties, having the capability to absorb up to 900 times its own volume of hydrogen makes it suitable for use in fuel cells.

According to BlueQuark Research & Consulting, the global palladium market is expected to witness growth at a significant rate during the forecast period. The major factors responsible for the global palladium market's growth would be increasing demand for palladium in catalytic converters in the automotive industry and a rise in the number of exchange-traded funds (ETF) that invest in palladium. With environmental concerns and carbon footprint being among the top priorities while manufacturing vehicle exhausts, palladium catalysts reduce as much as 90% of the harmful gases released by converting them to less noxious substances, making catalytic converters of utmost importance. Apart from the movement due to ETF-induced supply-and-demand dynamics, demand from other areas such as jewelry and industrial sectors (electronics, chemical, etc.) is also expected to make fair contributions to the global palladium market's growth. However, volatility, rising prices owing to supply issues/ declining resources, illegal mining, government restrictions on exports and imports, and the recent discovery of its toxicity are some of the challenges for this market.

North America is anticipated to dominate the global palladium market during the forecast period, which is expected to be closely followed by Europe. However, the palladium market in Asia-Pacific, especially in China, is set to expand at the fastest pace due to the automotive industry's market size here in this region.

The global palladium market is consolidated. Major players in the market were found to be Nornickel, Impala Platinum, Anglo American Platinum, Sibanye-Stillwater, and Lonmin, among others.

Canada-based Palladium One began a 17.5-kilometer drill program in November 2020 at its Kaukua South discovery in Finland. Kaukua is estimated to contain 11 million tonnes of optimized, pit constrained resources, of which 1.8 g/t palladium or 635,600 palladium-equivalent oz is expected to be recovered. Inferred resources add another 10.9 million tonnes with 1.5 g/t palladium equivalent present in it, contributing to another 525,800 oz of palladium recovery. (The resources were calculated at a cutoff grade of 0.3 g/t palladium)

Canadian Palladium Resources has come up with additional analytical results, in November 2020, for diamond drill holes EB-20-32, 33, and EB-20-35 to EB-20-38 on the East Bull Palladium Property, 90 kilometers west of Sudbury, Ontario. The results include a 12.0 m section of 2.97 g/t palladium equivalent (Pd-Eq), a 5.0 m section of 5.59 g/t Pd-Eq, and 1.0 m of 9.57 g/t Pd-Eq (one of the highest grade results intersected to date at the East Bull Project) in EB 20-37. Apart from Canada, Russia, South Africa, and the United States have palladium resources. Canada is third in terms of the total volume of palladium production.

Global Palladium Market report provides deep insights into the current and future state of the palladium market across various regions. The study comprehensively analyzes the palladium market by segmenting based on type (Metal, Alloys, and Compounds), source (Mineral Source/ PGM Mining, and Recycling), end-user industry (Automotive; Chemical, Petroleum, and Oil & Gas; Electronics; and Others), application (Catalysis; Multi-Layer Ceramic Capacitors; Hydrogen Storage and Purification; Jewelry, Coins, and Cutlery; and Others), and geography (North America, Europe, Asia-Pacific, South America, and Middle-East and Africa). The report examines the market drivers and restraints, along with the impact of Covid-19 on the market's growth, in detail. The study covers & includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with profiles of major companies, including their market shares and projects.

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