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Asia Pacific Gas Pipeline Infrastructure Market Forecast to 2030 - Regional Analysis - by Operation (Transmission and Distribution), Equipment (Pipeline, Compressor Station, Metering Skids, and Others), and Application (Onshore and Offshore)

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Abstracts

The Asia Pacific gas pipeline infrastructure market is expected to grow from US$ 630.90 billion in 2022 to US$ 1,074.90 billion by 2030. It is estimated to record a CAGR of 6.9% from 2022 to 2030.

Increase in Energy Demand Boosts Asia Pacific Gas Pipeline Infrastructure Market

The rising population and growing urbanization are a few factors boosting the consumption of energy worldwide. For instance, India is the third largest energy-consuming country worldwide, owing to growing incomes and improved living standards; after China and the US, India's energy consumption has doubled since 2000, with 80% of demand still met by oil, coal, and solid biomass. Natural gas accounts for 6% of India's energy portfolio. However, over the next 20 years, India's gas consumption is projected to more than double its share of the energy portfolio, owing to its high demand in manufacturing, commercial, and industrial sectors. Natural gas has the potential application in electricity generation, which boosts its demand. Furthermore, due to the increasing energy uncertainties in Europe owing to the Russia-Ukraine war, governments of several countries are also boosting the application of natural gas. Thus, the increase in energy demand fuels the growth of the gas pipeline infrastructure market.

Asia Pacific Gas Pipeline Infrastructure Market Overview

Natural gas power generation is driven by LNG, which has the least emission and thus has the lowest environmental impact among all fossil fuels. As a cleaner energy source, it is presumed to serve energy demand in several countries of Asia Pacific. China, Japan, and India are a few of the major countries operating in the gas pipeline infrastructure market in Asia Pacific. Government rules, regulations, and reforms to support the production and distribution of natural gas are major driving factors for the development of gas pipeline infrastructure in Asia Pacific. Government financing and support toward expanding gas pipelines for improved gas supply and access is also influencing the market for gas pipeline infrastructure across Asia Pacific. The growing application of natural gas in different commercial and industrial sectors in Asia Pacific is likely to fuel the gas pipeline infrastructure market growth soon. The growing focus on developing a carbon-neutral society is boosting the application and demand for natural gas in various commercial and industrial sectors. In addition, the rising demand for natural gas for electricity generation is also acting as a major booster for the gas pipeline infrastructure market. Japan Petroleum Exploration Company Limited (JAPEX), one of the major companies in gas infrastructure in Japan, has established a network of high-pressure gas pipelines, expanding up to 800 km or more, which primarily focuses on the domestic gas supply system. The network bridges the gap between domestic oil & gas sites and LNG terminals to provide natural gas to clients through the pipelines. Niigata-Sendai Gas Pipeline, Soma-Iwanuma Gas Pipeline, and Shiroishi-Koriyama Gas Pipeline are a few of the major gas pipeline networks in Japan. The Japanese gas sector has been witnessing a few strong collaborations, which are expected to fortify its production operations in the coming years. JX Nippon Oil & Gas Exploration Corporation is currently in the process of acquiring the Japan Drilling Co. (JDC) to strengthen its position in the oil & gas sector. Japanese companies have also procured strong contracts for offshore gas operations in different countries. In February 2023, JDC won a contract to provide drilling support to the Hakuryu-11 jack-up rig at the Bualuang field offshore Thailand. Such developments are fueling the growth of the gas pipeline infrastructure market in Japan.

Asia Pacific Gas Pipeline Infrastructure Market Revenue and Forecast to 2030 (US$ Billion)

Asia Pacific Gas Pipeline Infrastructure Market Segmentation

The Asia Pacific gas pipeline infrastructure market is segmented into operation, equipment, application, and country.

Based on operation, the Asia Pacific gas pipeline infrastructure market is bifurcated into

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transmission and distribution. The distribution segment held a larger share of Asia Pacific gas pipeline infrastructure market in 2022.

In terms of equipment, the Asia Pacific gas pipeline infrastructure market is categorized into pipeline, compressor station, metering skids, and valves. The pipeline segment held the largest share of Asia Pacific gas pipeline infrastructure market in 2022.

Based on application, the Asia Pacific gas pipeline infrastructure market is bifurcated into onshore and offshore. The onshore segment held a larger share of Asia Pacific gas pipeline infrastructure market in 2022.

Based on country, the Asia Pacific gas pipeline infrastructure market is segmented into China, Japan, India, Indonesia, Australia, and the Rest of Asia Pacific. Japan dominated the Asia Pacific gas pipeline infrastructure market in 2022.

Berkshire Hathaway Inc, Pipeline Infrastructure Ltd, Saipem SpA, and China Petroleum & Chemical Corp are some of the leading companies operating in the Asia Pacific gas pipeline infrastructure market.

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