

Global Modular Refineries Market Size study & Forecast, by Component (Crude Distillation Unit (CDU), Diesel Hydro Treating (DHT), Fluid Catalytic Cracking (FCC), Naphtha Hydro Treating (NHT), Reforming Unit and Others), by Capacity (BPD)(Below 10,000, 10,000-20,000, 20,000-30,000, 30,000-40,000, Above 40,000), by Operator (Private, National Oil Company) and Regional Analysis, 2023-2030

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Abstracts

Global Modular Refineries Market is valued approximately USD 3.6 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6.5% over the forecast period 2023-2030. Modular refineries are small-scale oil refineries that are designed to process crude oil and produce petroleum products on a smaller scale compared to conventional large refineries. They are often portable and can be transported to remote locations or areas with limited infrastructure for oil refining. The Modular Refineries market is expanding because of factors such as rise in global energy demand and governments support for construction of modular refineries.

The OPEC 2021 World Oil Outlook 2045 report predicts that between 2021 and 2045, upstream investments will amount to roughly US\$1.5 trillion. About US\$ 450 billion of this is allocated for investments in new refinery projects and the expansion of current facilities, primarily in developing nations. According to the International Energy Agency, total oil demand across the globe was 91 million barrels per day in 2020, climbed to 99.4 million barrels per day in 2022, and is expected to reach 104.1 million barrels per day by 2026. Thus, rising production, consumption, and demand for oil across the world indicates that oil and gas companies are likely to develop and build new modular

refineries across the world is catering the market growth. In addition, rise in demand for clean and sustainable energy and rise in demand for refined petroleum products is creating lucrative opportunity to the market. However, stringent environment standards stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Modular Refineries Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the rising oil demand, rising government support for the development of modular refineries in the region. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising investment for the development of modular refineries, rising public private partnership and rising oil demand in the region.

Major market player included in this report are:

Peiyang Chemical Equipment Co., Ltd.

Almoner Petroleum & Gas Limited

Amerisource Energy Inc

Brahms Group SA

Chemex Global

Honeywell International Inc.

Pyramid E & C Private Limited

Waltersmith Refining & Petrochemicals Company

KP Engineering, Inc.

VFuels, LLC

Recent Developments in the Market:

In January 2023, Pyramid E&C LLC and Alternative Environmental Technologies have teamed up forces to construct and set up the first SULFEXTM facility to be commercialized in the United States. With an initial capacity of 1000 bpd, the plant is anticipated to process 5000 bpd. To meet the standards for ultra-low sulphur, sour hydrocarbons are reduced in sulphur content using the Sulfex low temperature, low pressure process.

In September 2021, McDermott and Saudi Aramco signed an agreement of intent to carry out a feasibility study on onshore modular construction. The companies investigated the viability of localising onshore modular construction to support regional enterprises and assist Aramco with its plans for off-site development of its upstream and downstream projects.

Global Modular Refineries Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Component, Capacity, Operator, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Component offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Crude Distillation Unit (CDU)

Diesel Hydro Treating (DHT)

Fluid Catalytic Cracking (FCC)

Naphtha Hydro Treating (NHT)

Reforming Unit

Others

By Capacity (BPD):

Below 10,000

10,000-20,000

20,000-30,000

30,000-40,000

Above 40,000

By Operator:

Private
National Oil Company

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
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Rest of Middle East & Africa

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