

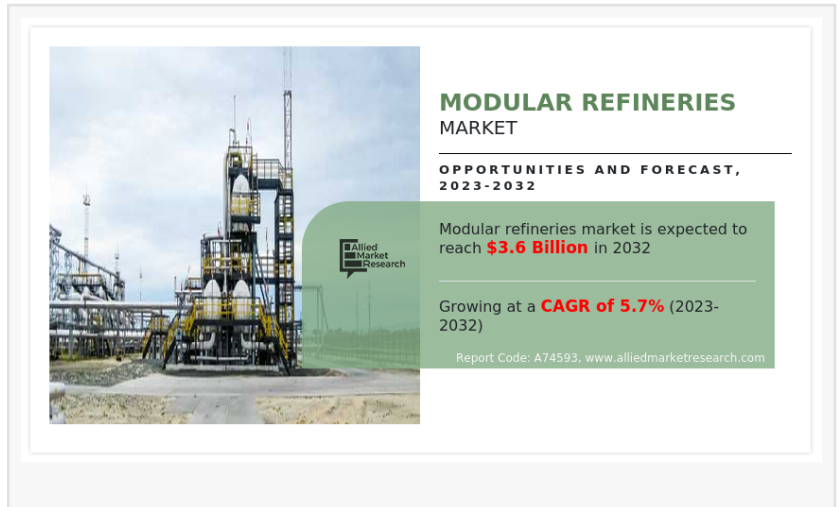
Modular Refineries Market to Hit \$3.6 Billion by 2032 | Affordable & Flexible Oil Refining Solutions Driving Growth

Global Modular Refineries Market Rising at 5.7% CAGR | Cost-Effective Refining Solutions Fuel Demand

WILMINGTON, DE, UNITED STATES, August 26, 2025 /EINPresswire.com/ --

The [modular refineries market](#) is gaining significant traction as oil-producing nations increasingly turn toward smaller, efficient, and cost-

effective refinery systems. According to a report published by Allied Market Research, the global modular refineries market size was valued at \$2.2 billion in 2022 and is projected to reach \$3.6 billion by 2032, growing at a CAGR of 5.7% from 2023 to 2032.



“

Global modular refineries market to reach \$3.6B by 2032 at 5.7% CAGR, driven by low-cost, efficient, and scalable refining solutions.”
Allied Market Research

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□ Evolution of Refining Technology

The [refining industry](#) has a long history of innovation. The first modern refinery based on continuous distillation was constructed in Poland in the mid-19th century. Since then,

advancements in scale and design have transformed the industry. However, traditional large-scale refineries have struggled with low margins and high installation costs, pushing oil companies to seek more flexible alternatives.

Enter modular refineries — compact, scalable, and efficient systems that can be rapidly deployed in oil-producing regions. These plants are proving to be an effective solution to meet market demands while lowering costs and ensuring supply security.

□ Why Modular Refineries Are Gaining Popularity

The modular refineries market growth is being fueled by several key factors:

Energy Efficiency & Cost Savings: Modular refineries are affordable, safe, and energy-saving, offering reliable margins in the refining sector.

Flexibility: They can adjust to fluctuating market demands and refine different grades of crude oil.

Low Investment & Easy Installation: Unlike traditional refineries, modular units require less capital and minimal land, making them ideal for remote locations.

Fuel Security: Many governments and private operators are investing in modular refineries to strengthen local fuel supply and reduce dependency on imports.

□ Market Opportunities

One of the major advantages of modular refineries is their ability to be deployed in remote and oil-rich regions, where large-scale refineries are impractical. This opens up opportunities for public-private partnerships, especially in developing economies.

Governments are also investing heavily in modular refineries to meet local fuel demand and support exports. In addition, modular refineries can produce petroleum products that meet international standards at competitive costs, generating revenue for oil-producing nations.

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□ Market Segmentation Insights

The modular refineries market analysis highlights several important trends:

By Type: The crude oil distillation unit segment dominated the market in 2022 and is expected to grow at a CAGR of 6.5%. Its affordability and high fuel output make it the most in-demand technology.

By Capacity: The 200 – 10,000 BPD segment accounted for the largest market share in 2022, growing at 5.9% CAGR. These small-scale refineries are cost-effective, versatile, and efficient in processing different [crude oil grades](#).

By End Use: The government refinery segment held the largest share in 2022, with a 5.5% CAGR

forecast. Governments are actively investing in modular refineries to stabilize crude oil prices and ensure energy security.

By Region: North America led the market with over 33% share in 2022, driven by increased oil extraction projects in the U.S. Meanwhile, African nations are investing in private refinery projects, boosting demand in the LAMEA region.

□ Key Industry Players

Prominent players in the modular refineries industry include:

Honeywell International Inc.

Pyramid E&C

Peiyang Chemical Equipment Co., Ltd.

Axens

Propak Systems Ltd.

Brahms Oil Refineries Ltd.

VFuels, LLC

Refinery Equipment of Texas, LLC

AIPCC Energy Ltd.

Plant Process Group, LLC

These companies are focusing on technological advancements, partnerships, and regional expansions to strengthen their market position.

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□ Future Outlook

The future of the modular refineries market looks highly promising. With rising fuel security concerns, rapid industrialization, and government-backed investments, modular refineries are expected to play a pivotal role in the global energy landscape.

By offering low-cost, high-quality, and scalable refining solutions, modular refineries will remain a cornerstone in the oil production sector, particularly in emerging economies.

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the

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