

# Global Syngas Market Projected to Grow to USD 629,237.89 thousand Nm3/Hr by 2032 with a CAGR of 12.57% during 2025–2032

List of Top key Players in Air Products Inc., Linde plc, KBR, Inc., BASF SE, McDermott, CF Industries Holdings, Inc., Mitsubishi Heavy Industries Ltd.

PUNE, MAHARASHTRA, INDIA,

September 23, 2025 /

EINPresswire.com/ -- The global [syngas market](#) size is projected to grow from 274,621.41 thousand Nm3/Hr in 2025 to 629,237.89 thousand Nm3/Hr by 2032, exhibiting a CAGR of 12.57% during the forecast period.



The global syngas market is witnessing robust growth, driven by rising energy demand, growing emphasis on cleaner fuel alternatives, and the increasing use of syngas as a versatile feedstock for chemicals, fuels, and power generation. Syngas, a mixture of hydrogen, carbon monoxide, and carbon dioxide, is produced through gasification of coal, biomass, or waste materials, and plays a crucial role in reducing reliance on crude oil while supporting energy transition initiatives.



Asia Pacific dominated the global market with a share of 53.19%."

*Fortune Business Insights*

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## Market Size and Growth Projections

The global syngas market size was valued at 246,176.43 thousand Nm3/Hr in 2024 and is projected to grow from 274,621.41 thousand Nm3/Hr in 2025 to 629,237.89 thousand Nm3/Hr by 2032, exhibiting a CAGR of 12.57% during the forecast period

## Key Drivers of Market Growth

Several factors are contributing to the expansion of the syngas market:

- **Growing Energy Demand:** Increasing global energy requirements and the push for alternative energy sources are driving syngas adoption.
- **Cleaner Fuel Alternatives:** Syngas offers reduced emissions compared to conventional fossil fuels, aligning with decarbonization and net-zero targets.
- **Feedstock Flexibility:** Syngas production from coal, natural gas, biomass, and waste enhances energy security and supports circular economy models.
- **Industrial Applications:** Expanding use of syngas in producing fertilizers, chemicals (methanol, ammonia), synthetic fuels, and electricity boosts market demand.

## Future Outlook

The syngas market is expected to grow steadily, supported by government policies for clean energy, technological advancements in gasification, and increasing investment in synthetic fuel projects. Rising adoption of biomass- and waste-based syngas production technologies will further strengthen the market's role in energy transition.

## Report Coverage

This report provides an in-depth analysis of the syngas market, covering:

- **Market Size & Forecast:** Current size, historical data, and projections.
- **Key Market Drivers & Restraints:** Growth factors, challenges, and opportunities.
- **Segmentation & Regional Analysis:** Breakdown by feedstock, technology, application, and region.
- **Competitive Landscape:** Profiles of major players, strategies, and industry developments.
- **Regulatory Framework:** Policies supporting low-carbon fuels and gasification technology.
- **Technological Advancements:** Innovations in IGCC, biomass gasification, and carbon capture integration.

## Segmentation Analysis

- **Feedstock:** Coal, natural gas, petroleum by-products, biomass, and waste. Coal dominates the market, while biomass and waste are gaining traction due to sustainability goals.
- **Technology:** Fixed-bed, fluidized-bed, entrained-flow, and others. Entrained-flow gasifiers hold a major share due to scalability and efficiency.
- **Application:** Power generation, chemicals (methanol, ammonia, hydrogen), fuels (synthetic natural gas, liquid fuels), and others. The chemical sector holds the largest share, led by ammonia and methanol production.

## LIST OF KEY COMPANIES PROFILED IN THE REPORT:

Major players in the syngas market are focusing on strategic partnerships, capacity expansions,

and technology upgrades to enhance market penetration.

Key companies include:

- Air Products Inc. (U.S.)
- Linde plc (U.K.)
- KBR, Inc. (U.S.)
- BASF SE (Germany)
- McDermott (U.S.)
- CF Industries Holdings, Inc. (U.S.)
- Mitsubishi Heavy Industries Ltd. (U.S.)
- Methanex Corporation (U.S.)
- Topsoe (Denmark)
- Chiyoda Corporation (Japan)

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