Syngas Market to Reach $66.5 Billion by 2027, Driven by Clean Energy Demand

Global Syngas Market Poised for Growth with 6.1% CAGR Amid Rising Chemical Industry Demand

WILMINGTON, DE, UNITED STATES, September 18, 2025 / EINPresswire.com/ -- The global syngas market size was valued at $43.6 billion in 2019 and is projected to reach $66.5 billion by 2027, growing at a CAGR of 6.1% from 2020 to 2027, according to a report published by Allied Market Research. The demand for syngas (synthesis gas), a blend of hydrogen and carbon monoxide, is surging due to its versatility in producing chemicals, fuels, and electricity.

Download PDF Brochure: https://www.alliedmarketresearch.com/request-sample/8204

> Syngas market to hit $66.5B by 2027, fueled by clean energy, chemical industry demand, and coal-based production dominance.”
>
> *Allied Market Research*

Syngas acts as a critical intermediate for manufacturing methanol, ammonia, and synthetic natural gas (SNG). It is primarily generated by the gasification of carbon-rich materials, such as coal, natural gas, petroleum coke, and biomass, using steam and oxygen. With growing emphasis on clean energy alternatives and efficient fuel conversion, syngas is gaining global traction as a sustainable energy carrier.

 Regional Landscape: Asia-Pacific Leads with Growing Industrialization

Countries like China, India, and Indonesia are emerging as investment hotspots in the syngas market, thanks to their expanding manufacturing sectors and infrastructure development. The Asia-Pacific region is expected to witness strong growth due to the presence of coal reserves, increased energy demand, and robust government support for industrial expansion.

These countries are actively investing in clean coal technologies and integrated gasification combined cycle (IGCC) plants, boosting syngas production. As a result, the region is poised to remain at the forefront of global syngas consumption throughout the forecast period.

 Key Takeaways

 Syngas Market Value: Projected to grow from $43.6B in 2019 to $66.5B by 2027.

 Chemical Segment Dominates: Due to growing demand for methanol, ammonia, and hydrogen.

 Coal Feedstock Rules: With nearly 70% market share, thanks to abundant availability and clean gasification methods.

 Steam Reforming Technology: Most cost-effective and widely used method of syngas production.

 Asia-Pacific Leads: China and India emerge as key contributors to syngas production and consumption.

 Market Drivers: Green Energy Push and Chemical Sector Demand

The global push toward environmentally friendly energy solutions has significantly influenced the syngas market. With increasing concerns about air pollution and the carbon footprint of traditional fuels, syngas is emerging as a cleaner substitute. Its ability to reduce emissions when compared to conventional fossil fuels is a key reason for its growing adoption.

Furthermore, the COVID-19 pandemic accelerated the need for hygiene-related products and pharmaceuticals, indirectly boosting the demand for chemical intermediates—many of which rely on syngas. As pharmaceutical and sanitation product manufacturing scaled up globally, syngas consumption surged across chemical facilities.

 Segment Insights: Gasifier, Technology, Feedstock, and Applications

 By Gasifier Type:

In 2019, the fluidized-bed gasifier segment led the market. These gasifiers offer superior mixing of feedstocks, enhancing heat and mass transfer. Their flexibility to handle diverse feedstocks and small particle sizes makes them an optimal choice for industrial applications.

 By Technology:

The steam reforming technology segment accounted for over 39.6% of the global market share

in 2019 and continues to dominate. It is the most widely adopted and cost-effective method to produce syngas, especially from natural gas and light hydrocarbons.

Buy This Report (450 Pages PDF with Insights, Charts, Tables, and Figures):
https://www.alliedmarketresearch.com/checkout-final/7f0839b85797922cf01ab92731f32ef9

 By Feedstock:

Coal remained the largest contributor, making up 69.8% of the market share. Coal is abundant, cost-effective, and highly compatible with gasification technologies. Coal gasification is one of the cleanest ways to convert coal into energy and other value-added products, making it an integral part of the syngas production chain.

 By Application:

The chemical industry was the leading application segment in 2019, accounting for 61.3% of the total market. Syngas is vital for producing ammonia, methanol, and other chemicals. As demand for chemical-based products grows, the consumption of syngas is also expected to increase steadily.

 COVID-19 Impact: Temporary Disruptions but Long-Term Opportunity

The COVID-19 outbreak led to a temporary slowdown in power generation and manufacturing industries, which affected the demand for syngas in 2020. Global lockdowns impacted supply chains, caused raw material shortages, and delayed production schedules.

However, the crisis also emphasized the importance of energy independence and clean energy, creating long-term growth opportunities for the syngas market. As industries rebound and governments push for cleaner technologies, syngas is likely to play a vital role in the post-pandemic energy transition.

 Competitive Landscape: Major Players in the Global Syngas Market

Several key players are contributing to the growth and innovation within the syngas industry. Prominent companies profiled in the report include:

Air Liquide

Air Products and Chemicals Inc.

BASF SE

John Wood Group

Royal Dutch Shell

Sasol Limited

Siemens

Syngas Energy Holdings

SynGas Technology LLC

The Linde Group

These companies are actively focusing on technological advancements, strategic partnerships, and expansion projects to strengthen their foothold in the competitive syngas market.

Get a Customized Research Report: https://www.alliedmarketresearch.com/request-for-customization/8204

 Conclusion

The syngas market is poised for steady growth, driven by rising demand for cleaner energy solutions, chemical feedstocks, and sustainable industrial fuels. Its flexibility in production, especially from coal and biomass, and its critical role in manufacturing ammonia, methanol, and synthetic fuels, position syngas as a key component of the global energy transition. With technological advancements in gasification and reforming processes, along with strong momentum from regions like Asia-Pacific, the syngas industry is set to play a pivotal role in meeting future energy and environmental goals. As industries seek efficient and eco-friendly alternatives, syngas stands out as a vital bridge between traditional fuels and a greener, more resilient energy ecosystem.

Trending Reports in Energy and Power Industry:

Syngas Market

https://www.alliedmarketresearch.com/syngas-market-A07839

Landfill Gas Market

https://www.alliedmarketresearch.com/landfill-gas-market-A06375

Las Vegas Industrial Gases Market

https://www.alliedmarketresearch.com/las-vegas-industrial-gases-market-A283565

Industrial Gases Market

https://www.alliedmarketresearch.com/industrial-gases-market

Biopower Market

https://www.alliedmarketresearch.com/biopower-market-A09298

Bioenergy With CCS Market

https://www.alliedmarketresearch.com/bioenergy-with-ccs-market-A325513

Bioenergy Market

https://www.alliedmarketresearch.com/bioenergy-market-A06874

Biomass Heating Plant Market

https://www.alliedmarketresearch.com/biomass-heating-plant-market-A32732

Biomass Market

https://www.alliedmarketresearch.com/biomass-market-A08328

Biomass Briquette Market

https://www.alliedmarketresearch.com/biomass-briquette-market

Biomass Briquette Fuel Market

https://www.alliedmarketresearch.com/biomass-briquette-fuel-market-A279664

Wood Pellets Biomass Boilers Market

https://www.alliedmarketresearch.com/wood-pellets-biomass-boilers-market-A300158

Biomass Boiler Market

https://www.alliedmarketresearch.com/biomass-boiler-market

Waste Heat Recovery Market

https://www.alliedmarketresearch.com/waste-heat-recovery-market-A07353

Biodigester Market

https://www.alliedmarketresearch.com/biodigester-market-A10776

Waste to Energy Market

https://www.alliedmarketresearch.com/waste-to-energy-market

About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

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 reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa
Allied Market Research
+ +1 800-792-5285
email us here
Visit us on social media:
LinkedIn
Facebook
YouTube
X

Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.