

Syngas Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/S29F62A75433EN.html>

Date: February 2023

Pages: 108

Price: US\$ 2,499.00 (Single User License)

ID: S29F62A75433EN

Abstracts

The global syngas market size reached 218.9 MM Nm³/h in 2022. Looking forward, IMARC Group expects the market to reach 382.9 MM Nm³/h by 2028, exhibiting a growth rate (CAGR) of 9.5% during 2023-2028.

Syngas, or synthesis gas, is a fuel gas mixture of carbon monoxide, hydrogen, carbon dioxide and trace gases. It is produced through gasification of carbon-containing fuel such as coal when it is exposed to heat, air and water in a closed space. Since syngas has over half of the energy density of natural gas, it can be easily burnt and used as a fuel source. It is carbon-rich and is extensively used to generate Synthetic Natural Gas (SNG), oxo-chemicals, dimethyl ether, hydrogen and ammonia or methanol for industrial applications. It is also used to produce a variety of fertilizers, solvents, fuels and synthetic materials.

Growing demand for syngas from the chemical industry is one of the key factors driving the market growth. Furthermore, syngas is primarily used to produce SNG that is used in the form of Liquefied Natural Gas (LNG) and Compressed Natural Gas (CNG) in rail, marine and road transportation industries. It can also be used to fuel gas engines for power supply owing to benefits such as low energy costs, increased stability and predictability. Moreover, the development of underground coal gasification (UCG) method is also creating a positive outlook for the market. It facilitates the completion of in-situ gasification process that converts coal into syngas. This is catalyzing the market growth as it reduces the need to transport the feedstock to the gasification plants, which consequently provides significant cost benefits. Additionally, growing environmental consciousness and stringent government regulations regarding the usage of clean fuels are also significantly contributing to the market growth. Syngas is crucial in reducing the waste pollution in landfills and greenhouse gases from the atmosphere.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global syngas market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on gasifier type, feedstock, technology and end-use.

Breakup by Gasifier Type:

- Fixed Bed
- Fluidized Bed
- Entrained Flow

Breakup by Feedstock:

- Coal
- Natural Gas
- Petroleum
- Pet-Coke
- Biomass and Waste

Breakup by Technology:

- Steam Reforming
- Partial Oxidation
- Combined or Two-Step Reforming
- Auto Thermal Reforming
- Others

Breakup by End-Use:

- Chemicals
- Ammonia
- Gas to liquid
- Hydrogen
- Methanol
- N-Butanol
- Dimethyl Ether
- Liquid Fuels

Gaseous Fuels
Power Generation

Breakup by Region:

Asia Pacific
Europe
North America
Middle East and Africa
Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Air Products and Chemicals, Air Liquide SA, BASF SE, BP PLC, Royal Dutch Shell plc (Shell plc), Siemens AG, Linde plc, General Electric (GE) Company, Dakota Gasification Company, SynGas Technology LLC, TechnipFMC PLC, OXEA GmbH, Yara International ASA, John Wood Group PLC, and ECUST.

IMARC Group's latest report provides a deep insight into the global syngas market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the syngas market in any manner.

Key Questions Answered in This Report:

How has the global syngas market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global syngas industry?

What are the key regional markets in the global syngas industry?

What is the breakup of the market based on the gasifier type?

What is the breakup of the market based on the feedstock?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the end-use?

What are the various stages in the value chain of the global syngas industry?

What are the key driving factors and challenges in the global syngas industry?

What is the structure of the global syngas industry and who are the key players?
What is the degree of competition in the global syngas industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SYNGAS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Gasifier Type
- 5.5 Market Breakup by Feedstock
- 5.6 Market Breakup by Technology
- 5.7 Market Breakup by End-Use
- 5.8 Market Breakup by Region
- 5.9 Market Forecast

6 MARKET BREAKUP BY GASIFIER TYPE

- 6.1 Fixed Bed
 - 6.1.1 Market Trends

- 6.1.2 Market Forecast
- 6.2 Fluidized Bed
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Entrained Flow
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY FEEDSTOCK

- 7.1 Coal
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Natural Gas
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Petroleum
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Pet-Coke
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Biomass and Waste
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY TECHNOLOGY

- 8.1 Steam Reforming
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Partial Oxidation
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Combined or Two-Step Reforming
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Auto Thermal Reforming
 - 8.4.1 Market Trends

- 8.4.2 Market Forecast
- 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MARKET BREAKUP BY END-USE

- 9.1 Chemicals
 - 9.1.1 Market Trends
 - 9.1.2 Market Breakup by Type
 - 9.1.2.1 Ammonia
 - 9.1.2.2 Gas to liquid
 - 9.1.2.3 Hydrogen
 - 9.1.2.4 Methanol
 - 9.1.2.5 N-Butanol
 - 9.1.2.6 Dimethyl Ether
 - 9.1.3 Market Forecast
- 9.2 Liquid Fuels
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Gaseous Fuels
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Power Generation
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast

10 MARKET BREAKUP BY REGION

- 10.1 Asia Pacific
 - 10.1.1 Market Trends
 - 10.1.2 Market Forecast
- 10.2 Europe
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast
- 10.3 North America
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast
- 10.4 Middle East and Africa

10.4.1 Market Trends

10.4.2 Market Forecast

10.5 Latin America

10.5.1 Market Trends

10.5.2 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Air Products and Chemicals

15.3.2 Air Liquide SA

15.3.3 BASF SE

15.3.4 BP PLC

15.3.5 Royal Dutch Shell plc (Shell plc)

15.3.6 Siemens AG

15.3.7 Linde plc

15.3.8 General Electric (GE) Company

15.3.9 Dakota Gasification Company

15.3.10 SynGas Technology LLC

15.3.11 TechnipFMC PLC

15.3.12 OXEA GmbH

15.3.13 Yara International ASA

15.3.14 John Wood Group PLC

15.3.15 ECUST

List Of Tables

LIST OF TABLES

Table 1: Global: Syngas Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Syngas Market: Breakup by Gasifier Type (in MM Nm³/h), 2017 & 2022

Table 3: Global: Syngas Market Forecast: Breakup by Gasifier Type (in MM Nm³/h), 2023-2028

Table 4: Global: Syngas Market: Breakup by Feedstock (in MM Nm³/h), 2017 & 2022

Table 5: Global: Syngas Market Forecast: Breakup by Feedstock (in MM Nm³/h), 2023-2028

Table 6: Global: Syngas Market: Breakup by Technology (in MM Nm³/h), 2017 & 2022

Table 7: Global: Syngas Market Forecast: Breakup by Technology (in MM Nm³/h), 2023-2028

Table 8: Global: Syngas Market: Breakup by End-Use (in MM Nm³/h), 2017 & 2022

Table 9: Global: Syngas Market Forecast: Breakup by End-Use (in MM Nm³/h), 2023-2028

Table 10: Global: Syngas Market: Breakup by Region (in MM Nm³/h), 2017 & 2022

Table 11: Global: Syngas Market Forecast: Breakup by Region (in MM Nm³/h), 2023-2028

Table 12: Global: Syngas Industry: Key Price Indicator

Table 13: Global: Syngas Market Structure

Table 14: Global: Syngas Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Syngas Market: Major Drivers and Challenges

Figure 2: Global: Syngas Market: Consumption Volume (in MM Nm³/h), 2017-2022

Figure 3: Global: Syngas Market: Breakup by Gasifier Type (in %), 2022

Figure 4: Global: Syngas Market: Breakup by Feedstock (in %), 2022

Figure 5: Global: Syngas Market: Breakup by Technology (in %), 2022

Figure 6: Global: Syngas Market: Breakup by End-Use (in %), 2022

Figure 7: Global: Syngas Market: Breakup by Region (in %), 2022

Figure 8: Global: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 9: Global: Syngas (Fixed Bed) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 10: Global: Syngas (Fixed Bed) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 11: Global: Syngas (Fluidized Bed) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 12: Global: Syngas (Fluidized Bed) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 13: Global: Syngas (Entrained Flow) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 14: Global: Syngas (Entrained Flow) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 15: Global: Syngas (Coal) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 16: Global: Syngas (Coal) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 17: Global: Syngas (Natural Gas) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 18: Global: Syngas (Natural Gas) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 19: Global: Syngas (Petroleum) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 20: Global: Syngas (Petroleum) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 21: Global: Syngas (Pet-Coke) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 22: Global: Syngas (Pet-Coke) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 23: Global: Syngas (Biomass and Waste) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 24: Global: Syngas (Biomass and Waste) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 25: Global: Syngas (Steam Reforming) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 26: Global: Syngas (Steam Reforming) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 27: Global: Syngas (Partial Oxidation) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 28: Global: Syngas (Partial Oxidation) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 29: Global: Syngas (Combined or Two-Step Reforming) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 30: Global: Syngas (Combined or Two-Step Reforming) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 31: Global: Syngas (Auto-Thermal Reforming) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 32: Global: Syngas (Auto-Thermal Reforming) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 33: Global: Syngas (Other Technologies) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 34: Global: Syngas (Other Technologies) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 35: Global: Syngas (Chemicals) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 36: Global: Syngas (Chemicals) Market: Breakup by Type (in %), 2022

Figure 37: Global: Syngas (Chemicals) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 38: Global: Syngas (Liquid Fuels) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 39: Global: Syngas (Liquid Fuels) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 40: Global: Syngas (Gaseous Fuels) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 41: Global: Syngas (Gaseous Fuels) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 42: Global: Syngas (Power Generation) Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 43: Global: Syngas (Power Generation) Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 44: Asia Pacific: Syngas Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 45: Asia Pacific: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 46: Europe: Syngas Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 47: Europe: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 48: North America: Syngas Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 49: North America: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 50: Middle East and Africa: Syngas Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 51: Middle East and Africa: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 52: Latin America: Syngas Market: Consumption Volume (in MM Nm³/h), 2017 & 2022

Figure 53: Latin America: Syngas Market Forecast: Consumption Volume (in MM Nm³/h), 2023-2028

Figure 54: Global: Syngas Industry: SWOT Analysis

Figure 55: Global: Syngas Industry: Value Chain Analysis

Figure 56: Global: Syngas Industry: Porter's Five Forces Analysis

Figure 57: Global: Syngas Market: Breakup of Operating Cost (in %)

I would like to order

Product name: Syngas Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/S29F62A75433EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S29F62A75433EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

