Syngas & Derivatives Market by End Use (Chemicals, Power Generation, Liquid Fuels, Gaseous Fuels), by Feedstock (Coal, Petroleum, Natural Gas & Biomass/Waste), by Production Technology, & by Gasifier - Global Forecasts to 2020

Description: The syngas and derivatives market is expected to grow at a CAGR of 9.5% between 2015 and 2020, to reach 213,100 MW thermal (MWth) by 2020. Asia-Pacific, with its thriving economies and rapidly expanding population, is expected to experience the highest consumption during the given period.

The major driving factors of this market include the growing need for chemicals, fuels, and electricity, which can be generated simultaneously to meet the requirements of the increasing population. The other growth driver is the feedstock flexibility of syngas production process, which means that it can be produced either from coal, natural gas, petroleum-based products, or biomass/waste, depending on the availability.

The syngas and its derivatives market has been analyzed in terms of consumption (MWth) for all major regions, namely Asia-Pacific, North America, Middle East & Africa, Europe, and South America. The consumption figures are further categorized on the basis of major countries in respective regions. Coal, natural gas, petroleum (petcoke and others), and biomass/waste are the four major feedstocks utilized for the production of syngas. Syngas production technologies identified and covered in the report are steam reforming, partial oxidation, autothermal reforming, combined or two-step reforming, and biomass gasification. The market has also been segmented in terms of types of gasifier utilized for the syngas production process. In addition, syngas consumption for several end uses, such as chemical, liquid fuel, power generation, and gaseous fuels, has been discussed in detail in this report. Consumption figures (MWth) for chemical derivatives, such as methanol, ammonia, oxo chemicals, n-butanol, hydrogen, and DME have been further described, by major regions and applications.

Scope of the report

On the basis of region:
- Asia-Pacific
- North America
- Middle East & Africa
- Europe
- South America

On the basis of end uses:
- Chemical (Methanol, Ammonia, Oxo Chemicals, N-Butanol, Hydrogen, and Dimethyl Ether)
- Liquid Fuels
- Power Generation
- Gaseous Fuels

On the basis of feedstock:
- Coal
- Natural Gas
- Petroleum By-products
- Biomass/Waste

On the basis of production technology:
- Steam Reforming
- Partial Oxidation
- Autothermal Reforming
- Combined or Two-step Reforming
- Biomass Gasification

On the basis of gasifier type:

- Fixed (Moving) Bed
- Entrained Flow
- Fluidized Bed
- Others

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