

# The Ethylene Technology Report 2016

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## Abstracts

Ethylene is a key building block of the chemical industry, the most simple olefin. It is used as the basic building block to produce a wide range of plastics, solvents, cosmetics etc. The current market demand is greater than 150 million tons per year with a global growth rate of around 3.5 % forecast over the next 5 years. The current capacity of world scale plants is around 1 million tons per year up from the 300 thousand tons per year world scale plants of the late 70s to early 80s.

This report will cover the details of currently used and developing technologies for the production of ethylene. Including a discussion of the different feedstocks used in steam cracking such as ethane, propane, naphtha, and gas oil; Methanol to Olefins technology and bio – ethylene production. The report also covers co production of acetic acid and ethylene and other developing technologies relevant to today's market.

The costs of production of each of the technologies discussed will be developed, estimated and discussed with sensitivity to variables such as feedstock and byproducts. The costs of production include capital and operating costs. The report will also include a market study for ethylene production, consumption and trade with full capacity listing.

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