



15.7 MMSCFD Syngas Plant for Sale



Hydro-Chem (now Linde) designed 15.7 MMSCFD (18,500 Nm³/hr) syngas reforming plant almost like new immediately available for purchase. The plant was built in 2016 and operated for only a few months. This plant was designed to use landfill gas and/or natural gas to produce synthesis gas, which is then converted into paraffinic naphtha, diesel and wax by Fischer-Tropsch process. The syngas output flow rate is at 500°F and 175 psig. The syngas has the following composition (mol %): Hydrogen 43.01, Carbon Monoxide 16.37, Carbon Dioxide 8.34, Nitrogen 3.90, Methane 1.42, Argon 0.16, Water 26.79. Capacity may be varied from the control panel from 100% of design to 40% of design. The syngas can also be further processed depending on the desired final products such as ammonia and methanol.

If potential client adds shift converter, PSA system, and an Amine System the assets could produce approximately 6-7 MMSCFD of pure Hydrogen.



Major Equipment:

- Reformers #1 & #2
- Feed Heater
- Feed Superheater
- Hydrodesulfurizer
- Flue Gas Steam Generator
- Reformer Effluent Steam Generator
- Dirty Steam Drum
- Clean Steam Drum
- Combustion Air Preheater
- Dearator
- Compression



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