



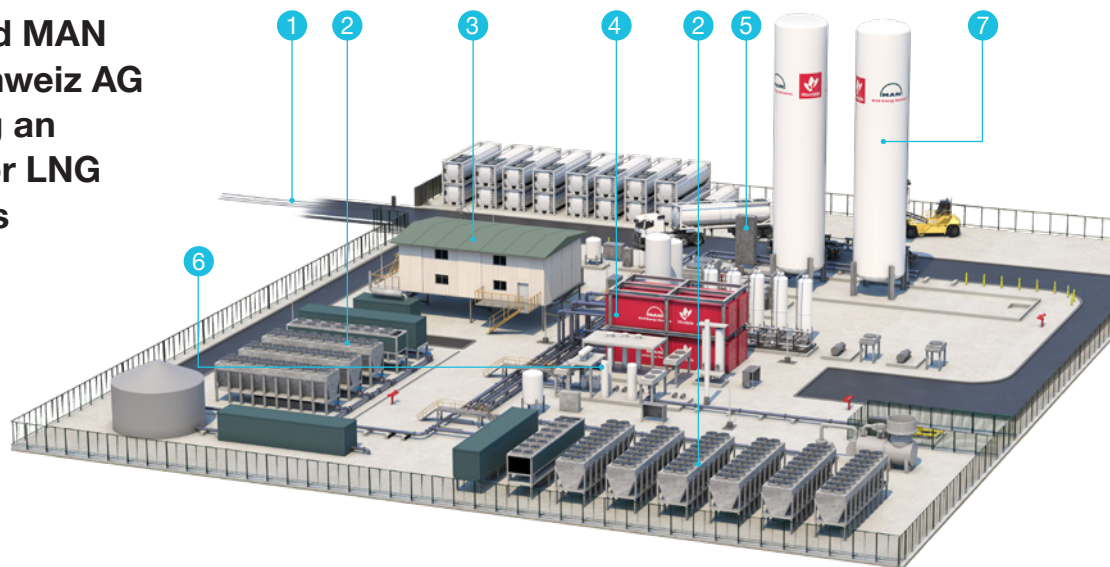
Factory LNG

MAN Energy Solutions
Future in the making

Overview
September 2021

Factory LNG

Woodside Energy and MAN Energy Solutions Schweiz AG are jointly developing an innovative solution for LNG production, known as Factory LNG.



Factory LNG Concept

Utilising Woodside’s Factory LNG intellectual property and experience, and MAN Energy Solutions’ low maintenance, High-Speed Oil-Free Integrated Motor-Compressor (HOFIM®) technology, the current design concept involves a nominal 0.05 Mtpa liquefaction module. This will be developed and manufactured as a complete product line, enabling customers to build-out LNG solutions at pace with demand. The module will provide customers reliable and low maintenance operation with a simple interface.

Application

Factory LNG has broad application to liquefy pipeline gas. It can be deployed to add capacity to existing LNG production, or create new (remote) LNG production hubs for marine, land transport and other industry needs.

Competitive Advantage

Due to its compact and factory-built design, Factory LNG can reduce manufacturing costs and enable shorter execution timeframes than traditional stick-built or integrated modular LNG trains. It can also unlock liquefaction capabilities to more locations across the globe. Further potential also exists for green fuel production by coupling the Factory LNG unit with synthetic methane units or bio-gas production. Factory LNG is targeted for first commercial deployment in 2022.

Benefits

- Utilises existing transport logistics pathways and infrastructure
- Enables local LNG production as fuel
- Compact, flexible layout adapts to location constraints
- Supports a repeatable execution model
- Simple and reliable operations for end-users
- Ability to shorten execution timeframes for projects

- 1 Power (over the fence)
- 2 Coolers
- 3 Electrical / Office
- 4 Liquefaction
- 5 LNG Loading
- 6 Pre-treatment
- 7 LNG Storage

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