

## L&T Press Release

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# L&T Completes Gasification Plant Project for Linde Engineering, Singapore

**Modules weighing 34,000 MT, fabricated by L&T at its Modular Fabrication Facility at Kattupalli, India and shipped to Singapore**

**Mumbai, Nov 22, 2022:** Larsen & Toubro, an Indian multinational engaged in EPC projects, hi-tech manufacturing, and services, has completed the supply of 46 Nos. of Process & Piperack Modules to Linde Engineering, Singapore for a gasification complex. After the commencement of operations, Linde will produce and supply hydrogen and synthesis gas from the plant.

On this occasion, **Mr. Subramanian Sarma, Whole-Time Director & Sr. Executive Vice President (Energy), L&T**, said: *“A complete gasification project was conceived to be built by Linde Engineering in modular form and shipped to Singapore for installation. Linde explored numerous fabrication yards throughout the world before settling on L&T’s Fabrication Facility at Kattupalli, close to Chennai in India for fabrication of these large Process and Piperack Modules.”*

L&T’s Modular Fabrication Facility at Kattupalli on the east coast of India is equipped with robust infrastructure and machinery to handle large volumes of complex module fabrication, a dedicated marine jetty with an admirable quality and safety performance in its operations.

The project had modules with various metallurgies viz. low-temperature carbon steel, low alloy, and Inconel materials totaling 34,000 Metric Tons (MT) with extensive shop-applied fireproofing and cold/hot insulation. Among many other milestones, the manufacturing and shipment of large modules – the heaviest being 2,800 MT and the tallest being 51 meters (m) (equivalent of a 11-storey building) with a base footprint of 35m x 21m represent the magnitude and complexities involved. The project team followed stringent test specifications for the oxygen service apart from implementing a Clean spool policy and Flange management system across the entire scope.

The loadout and sea-fastening of all 46 Modules in 10 shipment lots was successfully completed, and the last module departed from Kattupalli on 18 October 2022.

*L&T is proud to be a partner of Linde in this prestigious project and wishes the Linde team, a safe completion & successful start-up of the plant.*

L&T, through its Energy - Hydrocarbon division, with over three decades of rich and extensive experience in EPC businesses, offers comprehensive Modular Solutions, primarily for Onshore and Offshore Oil & Gas Industry including deep-water SPS/SURF projects and Offshore Wind Farm projects from its strategically located three Modular Fabrication Facilities at Hazira (India's west coast), Kattupalli (India's east coast) and Sohar (Oman) which are equipped with state-of-the-art infrastructure and machinery for operations, fine-tuned execution procedures leading to a combined annual capacity of about 200,000 MT for fabrication of large and complex Modules. It has recently augmented manufacturing strengths by starting a new Integrated Manufacturing Facility for modules, process skids, piping, and a high-thickness Pressure Vessels Facility at Jubail in the Kingdom of Saudi Arabia.

**Background:**

Larsen & Toubro is an Indian multinational engaged in EPC Projects, Hi-Tech Manufacturing and Services. It operates in over 50 countries worldwide. A strong, customer-focused approach and the constant quest for top-class quality has enabled L&T to attain and sustain leadership in its major lines of business for eight decades.

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