

# Liquefied Natural Gas Plant

This plant processes natural gas into a liquid state. It includes transmission, compression, purification, liquefaction, storage, and loading components for efficient LNG processing.



## Overview

### Liquefied Natural Gas (LNG) Plant Solution

This comprehensive Liquefied Natural Gas plant is designed for the efficient processing and storage of natural gas. The facility integrates critical infrastructure including gas transmission, purification, and liquefaction systems to ensure high-quality output. Engineered for industrial distribution, it features specialized components for raw gas compression, refrigerant management, and safe LNG loading.

## Process Infrastructure



A detailed layout of the natural gas liquefaction process, highlighting the flow from transmission to final loading.

### Key Process Stages

- Gas Transmission
- Raw Gas Compression
- Purification
- Liquefaction
- Refrigerant Compression
- Storage
- Loading

### Major Plant Components

Component	Function
Gas Transmission Station	Initial intake and transport
Raw Gas Compressor	Pressure management
Purification Devices	Contaminant removal
Liquefaction Device	Phase conversion
Low-temperature Storage Tank	Safe storage
LNG Loading Car	Distribution