

# Dodoma LNG power station generator set





## Overview

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What is a LNG power plant?

**Power Generation System:** It is considered the heart of an LNG-based Power Plant. These projects often use gas turbines or mixed-cycle systems to convert LNG into energy efficiently. Gas turbines burn natural gas to produce high-pressure electricity. Further, high-velocity gas drives the generators to produce energy for electricity.

How do LNG-based power plant projects work?

**Supporting Infrastructure:** LNG-based Power Plant Projects require a robust supporting infrastructure beyond the core power generation components. These projects effectively transform LNG into energy via turbines for gas or mixed-cycle systems.

What is a Cummins natural gas generator set?

A Cummins natural gas generator set is a power source that delivers exceptional power with high electrical efficiency. These generator sets are available in a range of sizes, from 13 to 2,000 kW, and feature high-density, self-adjusting engines that tolerate fuel variation.

What are the advantages of LNG-based power plant projects?

**Energy Efficiency:** The efficiency of LNG-based Power Plant Projects is a key advantage. Gas turbines and combined cycle systems used in these projects have a high thermal efficiency that allows the energy content of LNG to be optimally utilized. This results in less fuel usage per unit of energy generated.



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