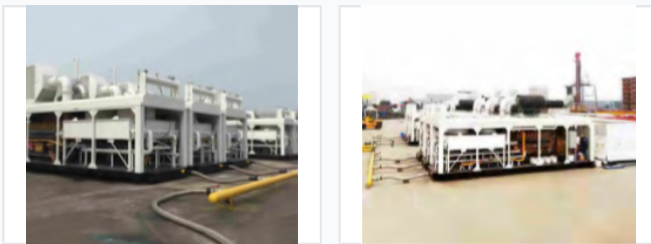


Gas Power Generation System for Petrochemical Applications

This gas power generation system is designed for petroleum prospecting engineering applications. It utilizes advanced gas turbines or engines optimized for fuel efficiency and reduced emissions.



ADDITIONAL IMAGES



Overview



Overview of modular design, environmental benefits, and waste heat recovery capabilities.

High-Efficiency Gas Power Generation

This gas power generation system is engineered specifically for demanding petrochemical applications, including drilling, fracturing, and electric power sales. It features a modular, containerized design that supports both islanding and grid-connected modes, ensuring flexibility for remote or challenging environments. By utilizing natural gas and waste heat recovery technologies, the system offers significant reductions in fuel costs and environmental impact, including a 40% reduction in CO₂ and a 90% reduction in NO_x emissions compared to diesel generation.

Technical Features

Design Advantages

- Modular construction
- Low noise operation
- Fast station-built and relocation capabilities
- Remote operation and monitoring
- Comprehensive energy efficiency management

Operational Modes

Islanding Mode, Grid-connected Mode

Environmental Impact

Emissions Reduction (vs Diesel)

40 %

CO₂ Reduction

90 %

NO_x Reduction

Applications

Primary Applications

Petrochemical Engineering • Petroleum Prospecting • Drilling • Fracturing • Electric Power Sales

Waste Heat Recovery

Waste Heat Utilization

- District Cooling
- Heat Supply
- Hot Water Generation
- Steam Generation