

Lessons Learned from 25 Years of LNG-to-Power Operations in an Island System

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Technical Overview

- Integrated LNG-to-power facility
- Combined cycle generation and LNG terminal
- Over 25 years of continuous operations



Operational Complexity in Island Systems

Operating in an island system presents unique operational challenges.



Isolated system with limited redundancy



Exposure to extreme weather events



Fuel logistics and system coordination challenges

Key Operational Challenges

Technology adoption and
workforce readiness

Regulatory and stakeholder
alignment

Public perception and
acceptance

Grid integration and system
stability

How We Addressed Them

Workforce training and
capability development

Coordination with regulators
and system operators

Transparent communication
with stakeholders

Robust planning and
contingency strategies

Infrastructure & Operations in Practice



LNG receiving, storage, and regasification



Combined cycle power generation



LNG truck loading operations



Pipeline gas supply to Costa Sur



Operational Results

- 25+ years of safe and reliable operations
- 500+ LNG cargoes handled without incidents
- Strong safety and operational performance
- Experienced and resilient operations team

Lessons Learned

Integration is key to system
reliability

Operational experience
enables resilience

Flexibility is essential in
isolated systems

Collaboration across
stakeholders is critical

Closing

A reliable energy system is built not only on infrastructure, but on operational experience, integration, and continuous adaptation.

