

# Revolutionizing LNG Operations: Cloud Integration Transformed Efficiency at Global Import Terminal

## Results

### Optimization

Reduction in OPEX via timely data for Terminal handling and Inventory Management Optimization

### Efficiency

Reduction in IT infrastructure costs and faster time to market with agile data analysis and decision-making tools

### Security

Enhanced 24/7 security with SOC2 compliance

## Challenge

A large European LNG terminal, supplying upwards of 20% of its nation's LNG requirements, emerged to address inherent gas supply uncertainties and diminish reliance on external oil and gas markets. The project faced stringent timelines dictated by current European oil & gas challenges and market circumstances. The project also encountered hardware-related impediments necessitating a transition to a cloud-based solution for seamless terminal operations and faster time to market.

## Solution

To optimize day-to-day terminal operations and ensure a long-term solution, Energy Components (EC) was implemented. EC, offering a private cloud-hosted solution facilitated long-term capacity modeling, streamlined Annual Delivery Plan management, and enhanced short-term scheduling processes. The integration of Simplified Terminal Operations functionality facilitated efficient data capture during cargo unloading. With precise hourly and projected inventory calculations, EC ensured accurate inventory management. As a result, operational excellence was achieved, accompanied by reductions in operating costs and decreased reliance on costly IT infrastructure.

