



SUCCESS STORY

DRY-DOCK COMPRESSOR SERVICE COMPLETED WITHIN 18 DAYS

After five years in service, an LNG carrier was scheduled for dry-dock in Singapore, but with just three weeks' notice, the location was changed to Dubai. Burckhardt Compression quickly redeployed its maintenance team and logistics to ensure both boil-off gas (BOG) compressors were serviced within the 18-day window.

The vessel is equipped with two Burckhardt Compression Laby®-GI BOG compressors, which allow the vessel to reuse 1'600 tons of natural gas every year that would otherwise be wasted. This contributes to reduced sulfur and CO₂ levels for the operator.

CUSTOMER CHALLENGES

- Re-arranging staff and materials for new location
- Daytime temperatures between 38°C and 42°C with 60% humidity
- Handling additional requirements outside the original project scope
- Limited time to source additional parts and install them

APPLICATION DESCRIPTION

| Compressor manufacturer: Burckhardt Compression | | | |
|---|---------------------|--|--|
| Type | 2 x 6LP 190- 5A_1 | Gas | BOG |
| Power | 1'250 kW / 1'676 hp | Suction pressure Discharge pressure | 1.02 bara / 14.97 psia 314 bara / 4'553 psia |
| Speed | 714 rpm | Lubrication | Lubricated 4 th and 5 th stage |

BURCKHARDT COMPRESSION SOLUTION

- Burckhardt Compression's streamlined process for parts procurement is tailored to short dry-dock interventions
- The local Service Center in Dubai supported the onboard service team
- Direct access to the manufacturing plant in Winterthur sourced any additional parts quickly
- Engineering and trouble shooting assistance available 24/7
- Burckhardt Compression coordinated other teams to complete work on equipment such as the gas coolers

CUSTOMER BENEFITS

- The Burckhardt Compression team worked autonomously, reducing pressure on the customer's dry-dock management team
- OEM expertise and factory support for the project provide peace of mind
- OEM knowledge and facilities minimize project timeframe
- Successful completion of the service within 18-day dry-dock window
- Optimized compressor performance until the next service in 2.5 years



Delivery of maintenance spare parts to the vessel.



Re-assembly of compressor.

What the customer says

"Burckhardt Compression reacted swiftly on the location change and thanks to their global setup, they could mobilize manpower fast. The project organization and communication was second to none and we are very confident to continue working with Burckhardt Compression during upcoming dry-dock projects. Speed, expertise and flexibility, this is what we expect from our partners."

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