



aggreko

Ensuring Pipeline Integrity and Operational Reliability for Safe Gas Transfer in the UAE

CLIENT

Target Engineering Construction Company

LOCATION

Das Island, UAE

SECTOR

Oil & Gas

FACT FILE

245 million

Standard cubic feet per day

-40°C

Dew point

60 m/sec

Compressed air velocity

PROJECT OVERVIEW

- **The Challenge:** Ensuring safe and effective pipeline drying in a remote offshore environment with strict certification and operational requirements.
- **The Solution:** Aggreko delivered certified, high-performance air compressor and dryer systems, along with on-site training and support.
- **The Impact:** The customer achieved reliable pipeline commissioning, minimised corrosion risks, and maintained operational efficiency.

Aggreko was engaged by a leading customer, Target Engineering Construction Company, to support an 'Integrated Gas Expansion Project'. Target was working with ADNOC LNG for this critical gas project on Das Island, UAE. The project involved constructing gas processing trains, utilities, and offsite facilities to transfer 245 million standard cubic feet per day of low-pressure gas from Das Island to Habshan. A key requirement was the drying of pipelines post-hydrotesting to ensure integrity, prevent corrosion, and maintain fluid purity.

THE CHALLENGE

Overcoming Pipeline Drying Complexities in a Demanding Offshore Environment

Pipeline drying is essential to eliminate residual water, which can accelerate corrosion and lead to hydrate formation or microbiologically influenced corrosion (MIC). Achieving the required dryness is a complex process, vital for successful commissioning and long-term operational efficiency.

Our customer required precise pipeline drying after hydrotesting to prevent corrosion and maintain gas purity. The offshore location posed unique challenges, including stringent safety standards, complex logistics, and the need for certified equipment and rapid response to meet tight project timelines.



THE SOLUTION

Certified Equipment and Expert Support for Pipeline Drying



Aggreko deployed a fully certified, high-performance air compressor and dryer system that met all the technical requirements. The solution was supported by expert training and rapid response, to meet the demanding needs of pipeline drying on Das Island.

- High-Performance Equipment: We supplied oil-free air compressor and air dryer systems capable of achieving a -40°C dew point and 60 m/sec compressed air velocity, ensuring optimal pipeline drying.
- Certified and Compliant: Delivered Zone 2-certified equipment with ADNOC Offshore-approved lifting hooks, ADNOC Gas-approved TPI certifications, and ATEX-approved Chalwyn valves and spark arrestors.
- Calibration and Documentation: Supplied official calibration

certificates for the manifold and all measurement instruments, confirming their accuracy and compliance with industry standards.

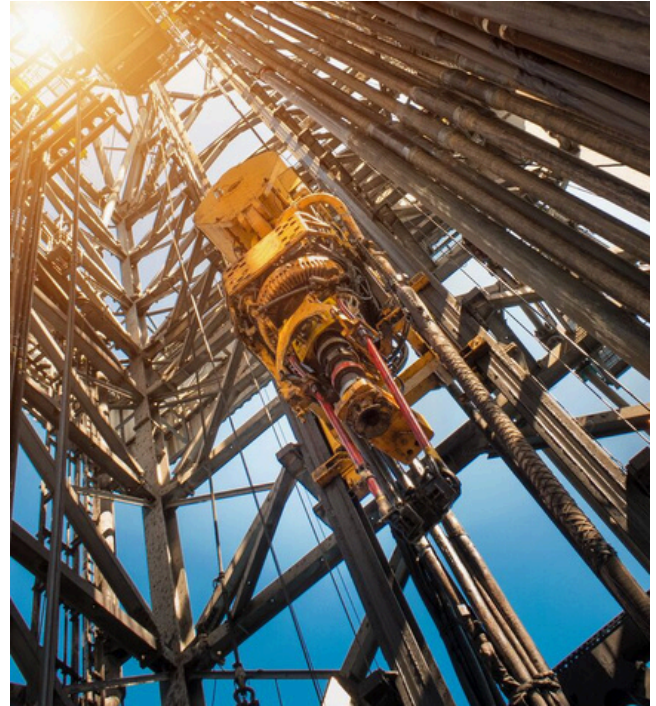
- On-Site Training: Conducted hands-on training for Target Engineering personnel in Abu Dhabi to ensure safe and effective equipment operation.
- Maintenance Support: Provided general maintenance spares for offshore operations to address potential equipment breakdowns and maintain reliability.
- Rapid Response: Aggreko's team quickly confirmed compliance with all specifications and delivered the equipment on schedule, supporting the customer's project timeline.

THE IMPACT

Reliable Commissioning and Enhanced Operational Safety

Aggreko's solution enabled the customer to achieve safe, efficient, and compliant pipeline drying, supporting reliable gas transfer and long-term operational integrity.

- **Successful Commissioning:** The pipeline was dried to the required standards, allowing for safe and timely commissioning.
- **Minimised Risks:** Reduced the potential for corrosion, hydrate formation, and microbiologically influenced corrosion (MIC).
- **Regulatory Compliance:** All equipment and processes met stringent ADNOC and industry safety standards.
- **Operational Reliability:** Provision of certified equipment, training, and maintenance spares ensured dependable performance in a challenging offshore environment.
- **Customer Confidence:** Ongoing equipment rentals and the addition of a second compressor reflect the customer's trust in Aggreko's responsive support.



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THE AGGREKO DIFFERENCE

Modular power and temperature control solutions, carefully designed by industry experts.