



# When extreme heat strikes, modular cooling keeps production on track

## CLIENT

Major EPC Contractor - North Field  
Expansion Project

## LOCATION

Ras Laffan, Qatar

## SECTOR

Oil & Gas

## KEY FACTS

**DB 48°C /**  
**WB 34°C**

Extreme Temperatures

**CRITICAL**  
**COOLING**  
**ZONES**

Pipe racks, confined space,  
and production facilities

**24 / 7**

Team Support On-Site

**SAFETY**

Strict HSE maintained



## THE CHALLENGE

# Sweltering conditions risked worker safety and critical project delays

Qatar's scorching summers, with temperatures soaring above 40°C and humidity nearing 80%, activated a strict heat-stress safety protocol on site. This included colour-coded flags, with black indicating a complete stop of work. Even under green flags, workers were limited to 50 minutes of work per hour with mandatory breaks.

While critical for worker safety, these measures significantly restricted working hours and slowed down progress on the North

Field Expansion Project. Already facing delays due to supply chain hurdles, the client urgently required cooling solutions in key operational areas, including pipe racks, confined tanks, and the production facilities, to maintain productivity and avoid further slippage in the timeline.

The project also posed installation challenges due to tight spaces and layout restrictions, particularly in confined zones, where fewer units could be deployed despite higher cooling

## THE SOLUTION

# Quickly deployed cooling to keep work safe and continuous

Aggreko conducted an in-depth site assessment and designed a tailored cooling solution that accounted for harsh ambient conditions of DB 48°C / WB 34°C and logistical constraints.

The HSE-compliant solution provided cooling for critical infrastructure, including pipe racks, storage tanks, and the production facility, ensuring continuous workflow.

Aggreko mobilised quickly, integrating equipment into the site with minimal disruption and while navigating space restrictions in confined and open zones. The system was fully compliant with safety regulations and supported by a 24/7 operations team handling everything from preventive maintenance to real-time cooling adjustments. Aggreko ensured that the project stayed on schedule, no matter what.



## OUR DIFFERENCE

# Powerful cooling solutions for the harshest conditions

## THE IMPACT

# Cooling that kept construction safe and moving

Aggreko's swift and safe deployment enabled uninterrupted production throughout the brutal summer conditions. The tailored cooling solution met critical timelines, with no heat-related delays, and supported safe operations.

With round-the-clock support, Aggreko ensured fleet uptime was maximised safely and effectively, keeping the North Field Expansion Project moving forward.