



Reliable modular power solutions for extreme environmental challenges

CLIENT

Major EPC Contractor - North Field Expansion Project

LOCATION

Ras Laffan, Qatar

SECTOR

Oil & Gas

KEY FACTS

17.4 MW HV

Total power supplied

24 / 7

Team Support On-Site

SAFETY

Strict HSE maintained



THE CHALLENGE

Supporting pre-commissioning operations with reliable modular power

The North Field Expansion Project required immediate, stable power to support the pre-commissioning and commissioning of critical systems including HP pumps, motors, and utility/process infrastructure. With the permanent grid connection still unavailable, any delay in power availability risked impacting the project timeline.

Adding to the complexity, the work had to be completed during the summer months under tough ambient conditions, and while maintaining strict HSE compliance. Aggreko stepped in as a partner that could deliver a safe, reliable, and fast-tracked solution.

THE SOLUTION

Tailored on-demand power systems for seamless integration

Aggreko worked closely with the client's project team to assess site-specific power requirements and deliver a fit-for-purpose high-voltage solution, broken down as follows:

- 7.2 MW-11 KV high-voltage power for the desalination plant
- 7.2 MW 6.6 KV high-voltage power for the process area
- 3 MW 6.6 KV high-voltage power for utility systems

The solution was devised to meet specific load profiles and operational requirements, including design validation, engineering support, and layout planning. A certified HV engineer oversaw the entire operation, ensuring complete safety and compliance. Aggreko also provided 24/7 support, covering both preventative and reactive maintenance throughout the duration of the project.



OUR DIFFERENCE

Powering your site with precision and efficiency

THE IMPACT

Timely and reliable power delivery under extreme conditions

Aggreko's turnkey solution allowed the client to commission their systems with precision and without delay. The integration of load-on-demand technology not only ensured stable power delivery, but also reduced fuel consumption, operational costs, and CO₂ emissions.

The round-the-clock maintenance and

monitoring ensured operational continuity, while a certified HV Engineer and trained personnel upheld strict HSE standards throughout the high-risk summer deployment. Ultimately, Aggreko helped the client meet critical project deadlines under extremely challenging conditions, enabling a successful execution of the North Field Expansion Project.