aggreko

Shipping solutions

Supporting the shipping industry with temporary power and temperature control hire solutions

Extra comes as standard

Bespoke solutions tailored to your shipping challenges

Whether you're operating an FPSO, a container ship, a military vessel or a dry dock, ensuring that you have the power and temperature control equipment you need is always a priority.

Aggreko's experience of over 60 years ensures that it provides the most appropriate, cost effective and innovative solutions to meet even the most challenging applications.

From onboard back-up generators, to power for refrigeration containers or dry dock repairs, Aggreko meets the challenges of the shipping industry by utilising bespoke equipment as required by the customer. Each project is supported by technical sales and experienced service engineers that offer project management expertise so that ship repair or sailing can continue without delay.

Key services

Aggreko can support you with the following services.

Port power

- Temporary power solutions when portside power is unavailable or during upgrades
- Emergency power for ship servicing and maintenance

Ship power

- Temporary power for docked vessels
- Emergency power for onboard systems during maintenance or generator failure
- Supplementary power for increased reefer capacity during cargo handling
- Power supply for ships in hot or cold stacking, minimising engine use
- Load bank testing for vessel generators (200 kW to multi-MW)
- Temporary power for dry dock repairs (welding equipment, onboard systems)

Container ships

- Temporary power for onboard reserve generator or emergency generator maintenance or repair
- Emergency power to substitute for serious onboard generator failure
- Temporary portside generators
- Supplementary power for when a ship takes on additional reefer capacity
- Fuel management service eliminating generator ‘fuel-out’ situations
- Dehumidification of blades and Nacelles prior to shipping or on route to offshore erection site
- Storage of Nacelles – powering heaters to keep Nacelles dry

Cold / hot stacking

- Temperature control equipment to protect equipment from excess humidity and climbing temperatures

Dry dock repairs

- Temporary power to keep onboard systems operational without running ship’s engines
- Temperature control equipment to maintain ship’s HVAC
- Heating and drying solutions to facilitate painting and coating
- Temporary power for welding equipment and repair work
- Resistive and reactive load banks to thoroughly test power supply systems

Navy ship-to-shore

- Temporary facilities at 50 Hz 190- 220V, 380-440V and 60 Hz 208-300V, 416-480 V set up to meet the requirements of naval vessels from around the world
- Supplementary shore power and chilled water for vessel operating systems while in port
- Simulation of adverse conditions for equipment performance testing
- Engineering experience ex-navy

Extra comes as standard

Ship lay-up

- Ships that are temporarily laid up can run essential functions using temporary generators maintained and fuelled by Aggreko, rather than using their engines
- Engine room, bridge and sensitive electronic equipment kept dry utilising temporary heating or dehumidification equipment

Offshore support vessels and ROVs

- Floating, Production, Storage and Offloading (FPSO) vessel loadtesting to ensure generators are properly calibrated and installed
- Temporary main generator or back-up generator for chartered vessels
- Power and temperature control solutions for Remotely Operated Underwater Vessels (ROVs)
- Additional power for heavy lifting equipment

Dredging and offshore cable/pipe laying

- Additional power to supplement winches and equipment

Lowering emissions for the shipping industry

GREENER UPGRADES™

In January 2024, the EU's Emission Trading System (EU ETS) was extended to cover CO2 emissions from all large ships entering EU ports. These ships are classified as 5000 gross tonnage and above.

Through Greener Upgrades, we're committed to offering flexible, and sustainable power and temperature control solutions to support customers in making choices that are kinder to the environment. These small switches make a big difference in lowering NOx, particulate matter and CO2 emissions, and reducing fuel consumption.

Our investment in new technology, alongside our consultative approach, delivers sustainable solutions for our customers that improve efficiencies and lower costs.

Load on demand

Load on demand is a smart solution that can be used to accommodate fluctuating demand, delivering scalable power when you need it most. The fully automated system can switch the engines on and off to produce only as much power as is needed for better efficiency, reduced fuel and lower emissions.

Rightsizing

Generators that are oversized or poorly matched for their chosen application will lead to inefficiencies. With rightsizing we can match the power generation capacity with your specific power demands, maximising efficiency, minimising fuel usage and reducing emissions.

Stage V generators

The UK's largest Stage V generator fleet, with models ranging from 30 kVA - 1350 kVA. These fuel efficient, low noise, low emission generators deliver your power needs without sacrificing performance.

PowerMX2

Our fuel efficient, load-flexible, low emission generator. With two Stage V engines in one compact 20ft container for maximum power with reduced emissions and fuel consumption.

Steam boilers

We provide reliable steam on demand with our fast start-up equipment. Our coil steam boilers use less water, enhance safety, and reduce flaring issues, providing high quality dry processed steam.

HVO

HVO fuel

Our generators can run on biofuels including Hydrotreated Vegetable Oil (HVO) and B10. These can be used as drop-in fuels, significantly reducing carbon and other harmful emissions.

Battery Energy Storage Systems (BESS)

Our battery fleet, from 45 kVA - 1 MVA, can be used across a variety of applications, enabling you to maximise your operational output whilst minimising downtime and emissions.

Oil-free air compressors

Our electric driven VSD and Stage V 100% oil-free air compressors deliver the cleanest air to protect your processes, products, and people. They operate at peak efficiency, resulting in lower energy costs and, with no oil to consider, a reduction in maintenance costs and downtime too.

Lower GWP refrigerants

To support the transition to more environmentally friendly refrigerants, we are switching our screw chillers to R513A, significantly reducing the GWP of our industrial chillers by almost 60%.

Our products

Aggreko provides the shipping industry with a wide range of rental equipment suitable for your on-site applications. Modular and mobile, and with a large fleet and depots across Europe, you benefit from safe, speedy and sustainable hire.

Stage V generators

- Sizes from 30 – 1200 kVA
- Reduced emissions as standard
- 50/60 Hz operation
- Quieter sound
- Suitable for alternative fuels like HVO and B10

Diesel generators

- Sizes from 20 – 2100 kVA
- Canopy and containers prevents spillage of fuel and engine fluids
- Synchronising and load-sharing capabilities on most models

Fuel tanks/Fuel

- 1000 – 20000 litres
- Double-walled: virtually eliminates the possibility of internal fuel spill
- Provides safety and environmental protection
- Meets varying capacity needs; minimises refill cycle
- Fuel: Hyrotreated Vegetable Oil (HVO), B10, Diesel

Battery Energy Storage Systems (BESS)

- Sizes from 45 kVA – 1 MW
- Minimal noise light and compact
- Reduces emissions and fuel costs
- Plug and play with Aggreko eco-system
- Manages variable loads and eliminates light load periods
- Remote monitoring

Natural gas generators

- Sizes from 1375 kVA - 1875 kVA
- Can run on NG, LPG, CNG, LNG and Field Gas
- CE compliant that can meet the most demanding regulatory guidelines

Load banks

- Capacitive load banks
- Resistive load banks
- Resistive reactive load banks

Extra comes as standard

Oil-free air compressors

- Electric VSD 100% oil-free air compressors - 1600 cfmand 800 cfm
- Stage V diesel/HVO 100% oil-free air compressors - 1550 cfm

Moisture control

- Desiccant and refrigerant systems capabilities from 600 – 7000 m3/h
- Moisture removal up to 971 l per day
- Cascade system with air handlers, dryers and heaters
- Extra low dew point

Steam boilers

- 5.5T/hr and 2T/hr units
- Rapid start up and highly energy efficient
- Compact and lightweight, housed in 10ft or 20ft ISO container
- Low water volume design for maximum safety
- Pressures up to 14 bar

Boilers

- Water boilers range from 500 – 2500 kW
- Temperatures up to +105 °C and pressures up to 14 bar

Electic and IDF (Indirect Diesel Fired) heaters

- Sizes from 3 – 350 kW
- Power supply 230 single phase and 400 V 3 phase
- Completely fume, flame and moisture-free

Air conditioners/DX units

- Individual units from 6 – 250 kW EUROVENT
- 100% cooling, heating and ventilation
- Heat pump leaving air temperature from 12 to +40 °C
- Dedicated units for cold store from -35 to 12 °C
- Can operate 100% fresh air or return air for energy efficiency

Chillers

- Sized from 50 – 1550 kW
- Leaving fluid temperature from -41 to +30 °C
- Water and air-cooled chillers available
- Combine with our air handlers for ambient temperature control or HVAC applications
- Very low temperature chillers and lower GWP refrigerants

Cooling towers

- Single tower 2500 kW
- Modular design and interconnectivity allows infinite expandability
- Regulates fan speed proportional to sump temperature

Optimising solutions through digitisation

Aggreko Connect

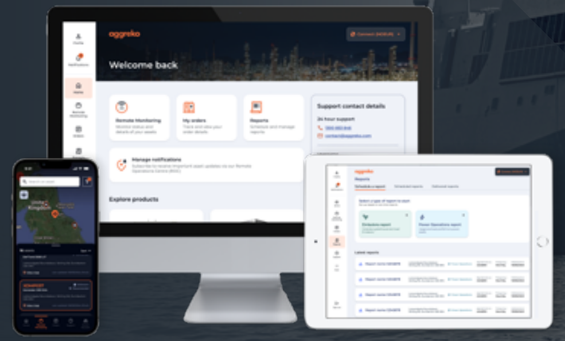
Aggreko Connect is your online hub providing access to all your information in one central place. It delivers insights into your business enabling you to maximise your operational efficiency.

With speed and simplicity, you can view equipment on-hire, review your orders, and through Aggreko Remote Monitoring (ARM) even monitor kit performance. It will also highlight should equipment stop or if a fault occurs so any issues can be remedied. These actionable insights at your fingertips prevent downtime and deliver peace of mind.

Knowing how your equipment is operating is key to efficiency. With Aggreko Connect's reporting feature, you'll have access to more data including insights into carbon and local emissions and load profile and usage, so you can fully understand the capabilities of your energy solutions.

Download on the App Store

GET IT ON Google Play



ARM aggreko Remote Monitoring

Aggreko Remote Monitoring

With ARM we can monitor the health of our equipment from a central operation. It also enables us to analyse consumption data. This is key when reviewing the performance and efficiency of our solutions onsite.

By monitoring loads and times of power use we can determine if and where improvements, can be made. These insights and our expertise can maximise efficiencies and reduce emissions, energy and fuel costs for our customers.

You'll benefit from:

- Round-the-clock remote monitoring services – 24/7 365 days a year
- Rapid response to emergencies
- Monitoring of key product data to enhance efficiencies

With Aggreko as your hire solution partner you can be sure that we will deliver you extra.
Extra innovation. Extra expertise. Extra efficiency. Extra flexibility. Extra reassurance.

Aggreko. Where extra comes as standard.

Expertise

You have the support of an expert team at your fingertips

Best in class technology

With our solutions you benefit from always having the latest hardware controlled by our superior software

Mobile and modular

Single units are easily combined to deliver the power and energy capacity you need. With our flexible solutions you can add and take away to suit your needs

Easy integration

Our products fit perfectly with other assets for easy integration

Risk free

You receive all the benefits of our products without additional maintenance and costs

Quick set up

All in one and ready to install storage system reducing footprint and installation costs

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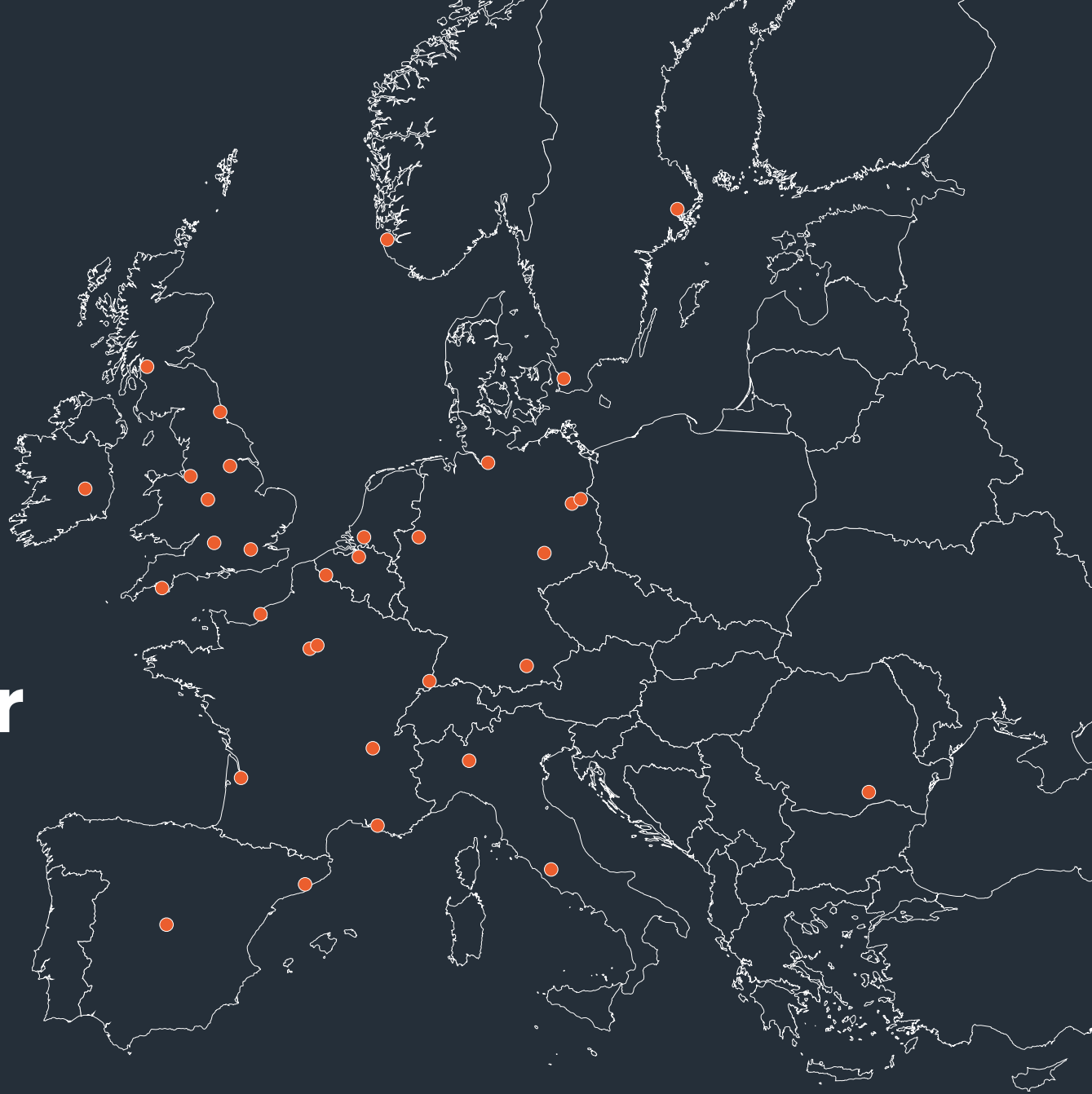
Your local hire solution partner



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