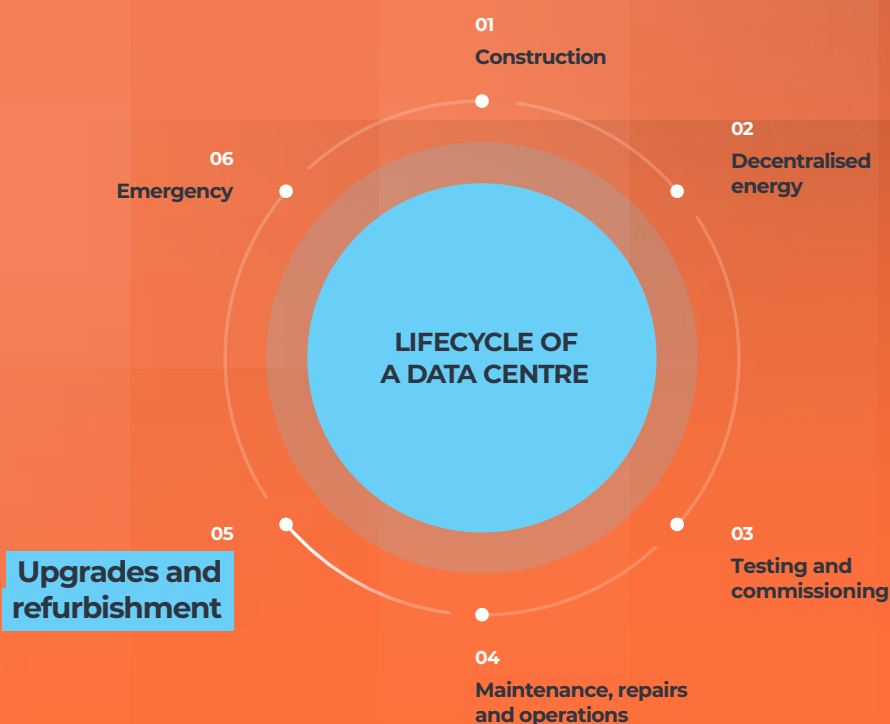


# Upgrades and refurbishment

for data centres





01  
Construction

02  
Decentralised energy

03  
Testing and commissioning

04  
Maintenance, repairs and operations

05  
Upgrades and refurbishment

06  
Emergency

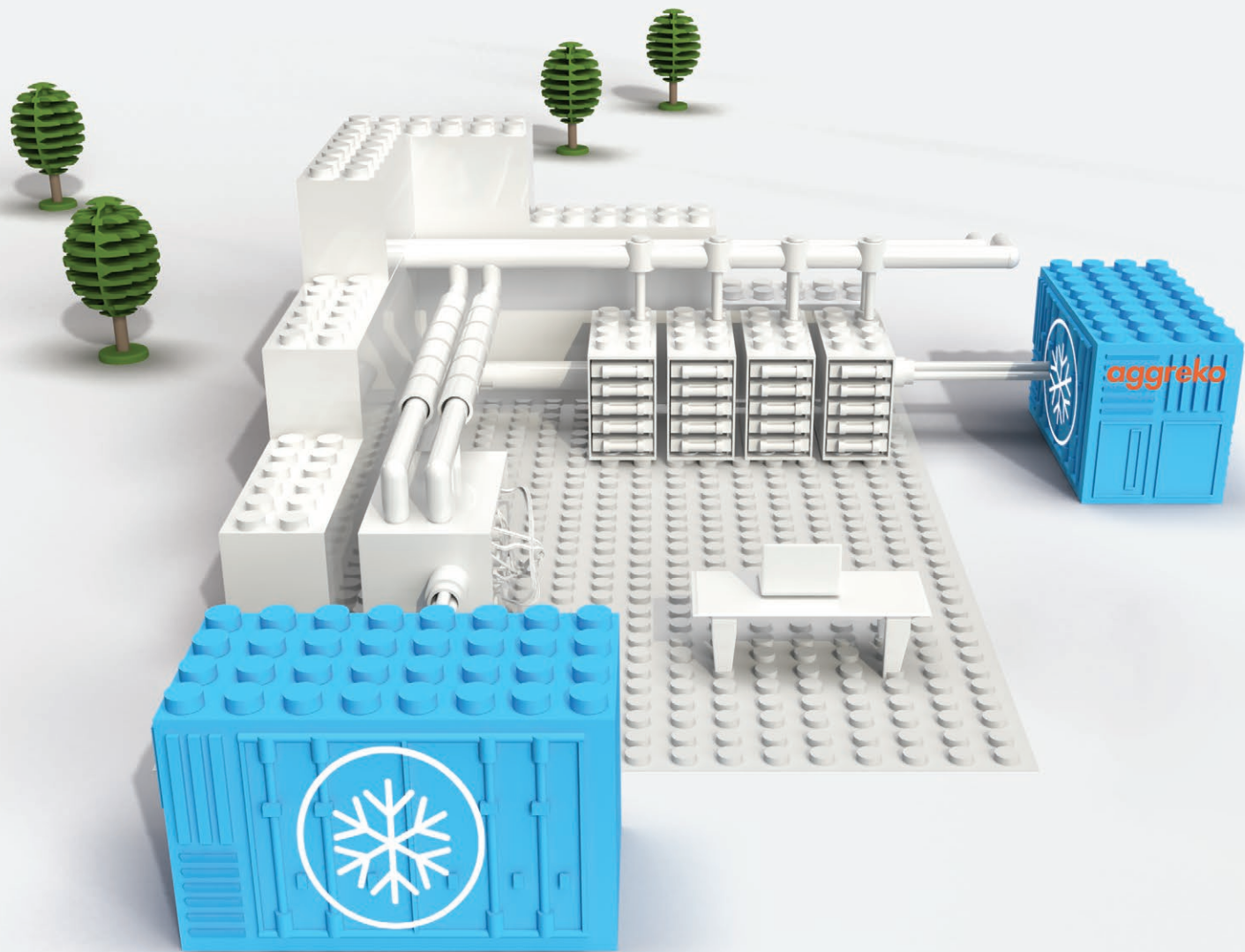
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## Expand with our expertise

As the demands on data centres grow, upgrading existing infrastructure offers a cost-effective way to boost reliability, improve energy efficiency, and extend the lifespan of facilities. To complicate things further, this must often be achieved in live environments where downtime is not an option. That's where strategic planning and expert execution become essential.

At Aggreko, we specialise in seamless infrastructure upgrades, ensuring continuous operations while modernising electrical and mechanical systems.





## Why choose Aggreko?

- **Tailored packages** for each unique data centre project
- **Cleaner technologies** to cut emissions, fuel use, and cost
- **Smart efficiency** to streamline energy use for peak performance
- **Specialist expertise** to deliver knowledge and support from our experienced team
- **Complete flexibility** to shape a range of fuel types, remote monitoring, and contract terms around your needs

## Just add Aggreko

Our adaptable solutions allow you to scale power and cooling in line with evolving demands, avoiding unnecessary investment and complexity. Whether you're expanding capacity or refreshing outdated systems, we deliver the flexibility to add infrastructure when and where it's needed.

Our experienced project management teams ensure upgrades are delivered on time and within budget. We coordinate every stage of the process to ensure uninterrupted operations.

To guarantee performance and compliance, we conduct rigorous system testing, from Level 1 factory acceptance through to fully integrated Level 5 operational load tests.

Upgrades present the perfect opportunity to introduce low-carbon technologies like Battery Energy Storage Systems (BESS) and stored energy solutions. These innovations help reduce emissions, enhance efficiency, and lower operational costs, aligning your operations with modern environmental standards.





# More solutions for every challenge

We have a huge fleet of modular rental equipment, including our unique Greener Upgrades solutions that help you make simple choices which are kinder to the environment. Whether that's lowering NOx or Particulate Matter to reducing CO2 emissions and fuel usage.

For unrivalled flexibility, our modular systems are quick to install and can scale up or down, depending on demand. All solutions could include Fuel Management, ARM (Aggreko Remote Monitoring), and Aggreko Connect.

## Power

- Diesel generators: 30–2100 kVA
- Gas generators: 1875 kVA
- Stage V generators: 30–1250 kVA
- Battery Energy Storage Systems (BESS): 45 kVA to multi-MW
- LV/MV distribution & HV transformer substations



## Testing

- Load banks: 100 kW–6 MW
- Liquid cooled load banks (e-boilers): 600kW



## Cooling

- Air-cooled chillers: 50–800 kW
- Cooling towers: 2.5 MW+
- Air conditioners: 50–250 kW
- Air handlers: 15–500 kW



## Heating

- Electric & IDF heaters: 3–200 kW
- Heat pump chillers: 50–400 kW
- Dehumidification units: up to 7000 m³/h
- Electric boilers: 600–1200 kW



# Cleaner energy solutions with Greener Upgrades™

We're investing in new technologies, alternative fuels and services to make greener solutions accessible for our customers. Using our consultative approach, we're delivering solutions that maximise performance, improve efficiencies and lower costs, supporting the move to a more sustainable and efficient future.



## Stage V generators

Compliant with the EU's Medium Combustion Plant Directive (MCPD) our Stage V generators are high performance. The engines deliver efficient power whilst limiting harmful pollutants such as carbon monoxide, NOx and PM.



## Battery Energy Storage Systems (BESS)

BESS work as a stand alone solution or with generators, ideal for use in situations with limited utility or when emissions and fuel use needs to be minimised.



## HVO/B10 fuel

Our generators can run on a range of biofuels including HVO and B10 to significantly reduce carbon and harmful emissions.



## PowerMX2

PowerMX2 is our fuel efficient, load flexible, low emission generator. With two 625 kVA Stage V engines in one compact 20ft container, PowerMX2 delivers maximum power with reduced emissions and fuel consumption.

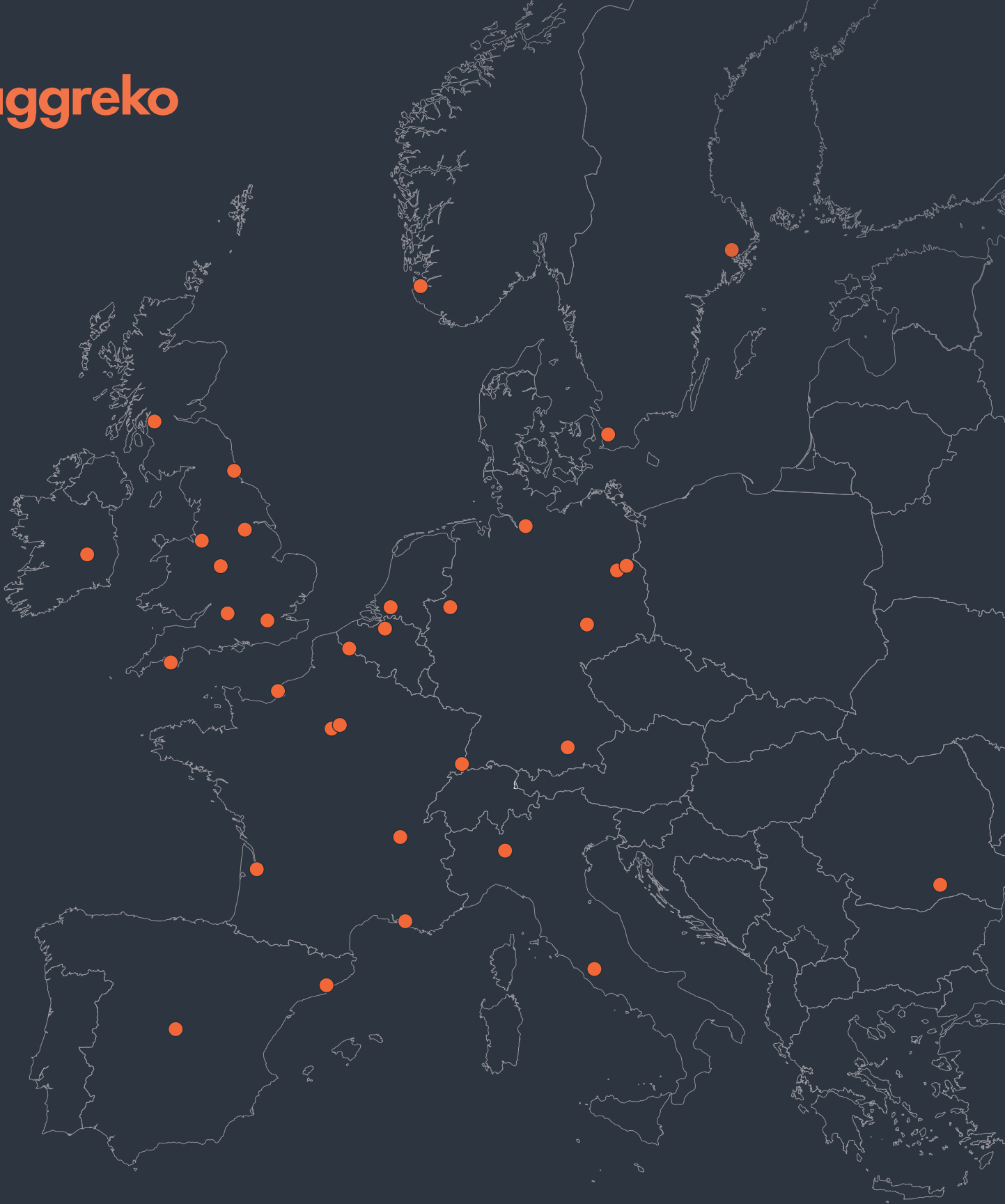


## Aggreko Connect

Aggreko Connect is your online hub providing access to all your information in one central place. With speed and simplicity, you can view equipment on-hire, review your orders, and through Aggreko Remote Monitoring (ARM) even monitor kit performance.

With Aggreko Connect's reporting feature, you'll have access to more data including insights into carbon and local emissions, Delta T and ambient temperatures, load profile and usage, so you can fully understand the capabilities of your energy solutions.

**aggreko**



**Just add Aggreko**

**aggreko.com**