

Gas

In the UK

RWE is the UK's leading power generator and the country's largest provider of firm, flexible gas-fired power generation, with an operational fleet of around 7 gigawatts (GW) of capacity.

RWE's fleet includes combined cycle and open cycle gas turbines (CCGT and OCGT) and gas reciprocating engines.

The strategic importance of gas-fired generation lies in its ability to complement renewables. While wind and solar are variable by nature, gas plants provide essential flexibility, stepping in when renewable output is low. Gas also provides essential services such as inertia and frequency response, which are crucial for grid stability. This role will remain critical as the UK's energy system transitions towards net zero.

RWE's gas fleet is well placed to fulfil this changing role as the UK's power system evolves. Despite the rapid growth of renewables within RWE's UK business, gas remains vital—accounting for around two-thirds of the company's UK generation in 2025. This will fall in the years ahead as more renewable capacity is deployed, meaning gas will run less, and only when needed.

As plants run less frequently and in shorter, more unpredictable patterns, the way in which we manage and maintain these assets must change.

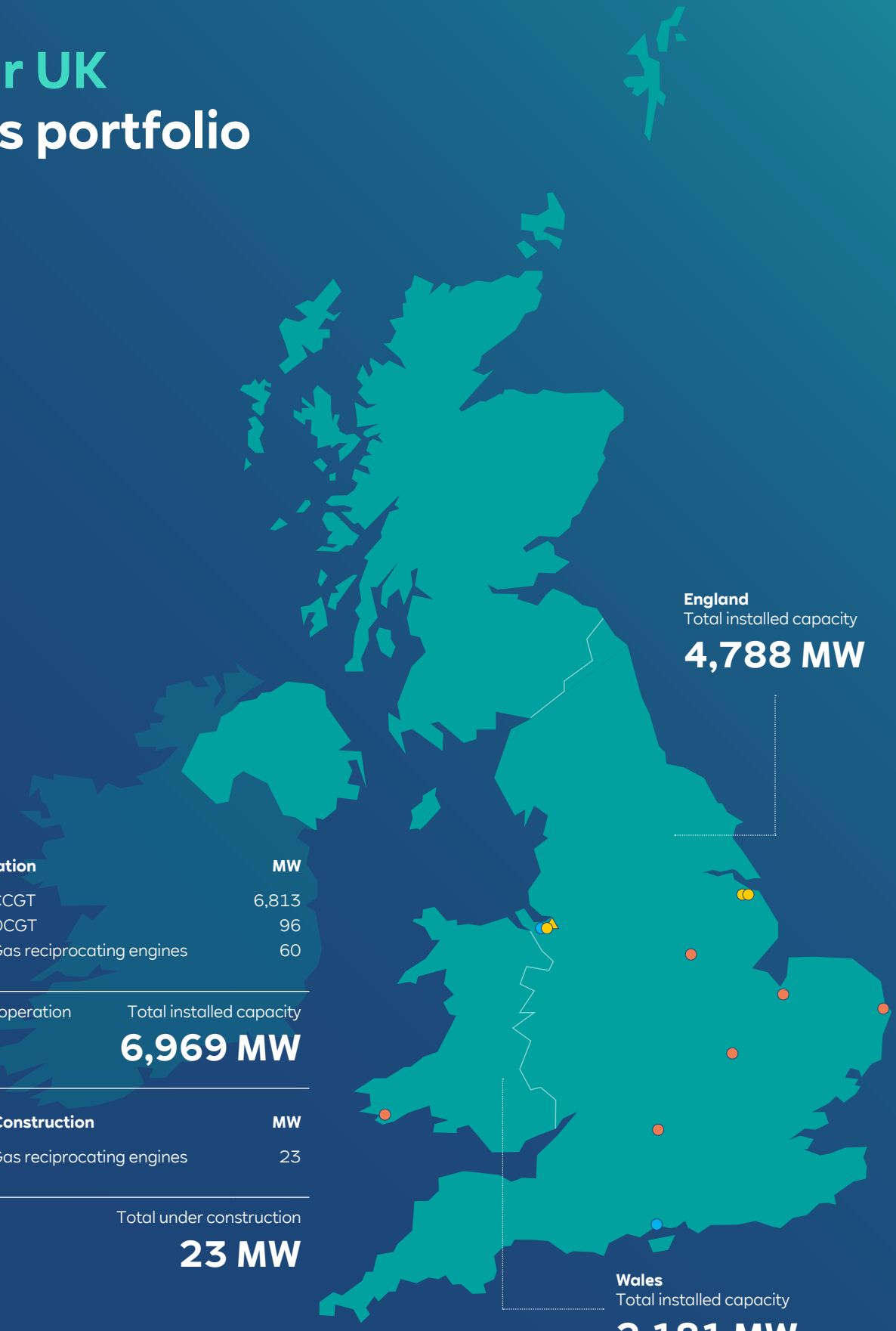
RWE's extensive experience spanning well over two decades as an investor and operator of gas-fired power stations, positions us well to do this.

Looking ahead, RWE is actively investing in decarbonisation technologies to future-proof its gas assets. This includes the development of carbon capture and storage (CCS) solutions and the exploration of hydrogen integration, both of which are pivotal for reducing emissions and supporting the UK's climate ambitions.

As RWE continues to invest in renewables, the role of our gas fleet positions us as a critical partner in managing the evolving UK energy system. RWE's flexible, reliable gas portfolio not only underpins current energy needs but also supports the transition to a sustainable, resilient, and low-carbon future.

Find out more

Our UK gas portfolio



England
Total installed capacity
4,788 MW

Wales
Total installed capacity
2,181 MW

In operation	MW
6 CCGT	6,813
2 OCGT	96
3 Gas reciprocating engines	60

Sites in operation	Total installed capacity
11	**6,969 MW**

Under Construction	MW
1 Gas reciprocating engines	23

Sites	Total under construction
1	**23 MW**

MW: pro rata, based on equity share. Operational capacity as of 31st December 2025. Site placing is approximate.
Some sites have multiple assets. Numbers may not sum due to rounding. All information is accurate as of 31 December 2025.
OCGT: Open Cycle Gas Turbine. CCGT: Combined Cycle Gas Turbine.