

SSE and Siemens Energy have launched “Mission H₂ Power”



100% Hydrogen operation in DLE

PROJECT TYPE

Hydrogen Testing



Fuel shift hybridization



Partnership



Innovation



H₂ gas turbine



Customer Challenge/Driver

In response to the urgent need for decarbonization and increased energy security, **SSE** and **Siemens Energy** have launched “**Mission H₂ Power**”. This project represents a major step towards achieving **net-zero** emissions and advancing the UK's energy independence by integrating **100% hydrogen fuel technology** into gas turbine operations.



Portfolio Elements/Scope

- **SSE and Siemens Energy** collaborating for 9000HL gas turbine technology capability of running on 100% hydrogen, natural gas, or a blend of both
- Testing of 100% hydrogen to take place at Siemens Energy's **Clean Energy Center**.



Customer Benefit

- Significant CO₂ reduction by adapting **Europe's most powerful gas turbine** supporting UK's net-zero decarbonization efforts
- **Record-efficiency** gas turbine delivering **flexible** and eco-friendly power in a **renewable energy-driven** grid
- Leverage long-standing **partnership** of SSE and Siemens Energy to lead the **energy transition**.

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