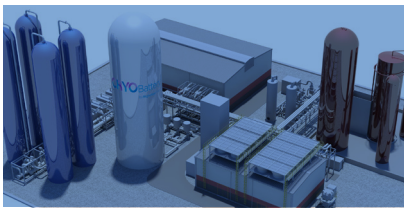


Slough Heat and Power

Liquid air energy storage



Project summary

Location: Heathrow, UK
 Partner: UK Govt.
 Start-Up: 2011
 Scope: Turn-key plant delivery

This cryogenic energy storage Pilot Plant (350kW/2.5MWh) was developed to prove our technology and used heat from a biomass plant to improve the efficiency of the system.

Between 2011 and 2014, it successfully underwent a full testing regime at SSE's biomass plant at Slough Heat and Power in Greater London, and has operated for the hours equivalent to three years of UK Short Term Operating Reserve service and seasonal TRIAD management in the winter months.

The pilot has now been relocated to the University of Birmingham Centre for Cryogenic Energy Storage, to support further testing and academic research.

Plant Energy Storage Capacity	2.5 MWh
Plant Electric Discharge Capacity	0.35 MW
Plant Electric Charge Capacity	0.35 MW
Plant Discharge Duration	7 hours

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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

Respect for people.

Valuing and inviting differing views and ideas

Committed to customers.

Exceeding expectations and providing value

Safety, integrity and teamwork.

Incorporating ethics in everything we do

Ownership of results.

Personally ensuring that success is achieved

Passion to innovate and grow.

Setting challenging goals for growth



Sumitomo
SHI **FW**