

Pilsworth Plant

Liquid air energy storage



Project summary

Location: Manchester, UK
 Partners: Viridor, UK Govt.
 Start-Up: 2018
 Scope: Turn-key plant delivery

In collaboration with Viridor, one of the UK's leading recycling, renewable energy and waste management companies, Highview was awarded funding for a 15MWh energy storage demonstration project by the UK Government.

- ▶ Utilises low grade waste heat from Viridor's landfill gas generation plant, to boost efficiency.
- ▶ Operational since June 2018 within the UK power network, providing services such as STOR and TRIAD avoidance.
- ▶ Hybridised with flywheel and ultra-capacitor technology to achieve near instantaneous response.
- ▶ Plant procures liquid nitrogen for charging and does not have air liquefying system.

Plant Energy Storage Capacity	15 MWh
Plant Electric Discharge Capacity	5 MW
Plant Electric Charge Capacity	5 MW
Plant Discharge Duration	3 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
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