



# Basildon BESS

## Increasing resilience of the UK network



### Quick facts

Location	Essex, UK
Size/capacity	28MW/56MWh
To be commissioned	July. 2025
Partners	ESM Power, NHOA, Habitat Energy
Purpose	Ancillary and balancing services to support local and National Grid

### About Basildon BESS

Basildon BESS is located at a critical node of the UK electricity network, close to a solar PV farm and two gas peaking assets.

The project has been delivered with ESM Power as the balance-of-plant partner and NHOA supplying the BESS equipment. At its core, the system leverages CATL's Enerone+ technology, offering a two-hour battery duration to meet evolving market demands.

Once operational, Habitat Energy will manage trading on our behalf, maximising its performance and contribution to the energy landscape.

### Eku Energy's Role

- End-to-end project development including construction oversight and commercial structuring
- Procurement and negotiation of BESS supply, construction and Route to Market agreements
- Asset management of Basildon BESS during long-term operations

For more information, visit [ekuenergy.com/basildon](https://ekuenergy.com/basildon)



Announcement

2023



Development



Construction

2024



Operations

July 2025



“ The Basildon project is a significant milestone as Eku's first two-hour battery system in the UK, reflecting the growing demand for longer-duration energy storage solutions. We are thrilled to collaborate with Habitat Energy in optimising the trading of this asset, ensuring its full potential is realised.

**Adam Carver**  
Senior Commercial Manager





# Loudwater BESS

## Enabling more renewables in the UK grid



### Quick facts

Location	Buckinghamshire, UK
Size/capacity	40MW/55MWh
To be commissioned	July. 2025
Partners	ESM Power, NHOA, Statkraft Energy
Purpose	Ancillary and balancing services to support local and National Grid



### About Loudwater BESS

Located near High Wycombe to the west of London, Loudwater BESS is neatly tucked away next to a farm in a rural setting.

The BOP partner is ESM Power whilst the BESS is supplied by NHOA. Once operational, Statkraft Energy will trade the BESS on our behalf.

To harmonise with its surroundings, the equipment has been thoughtfully designed in a green color scheme, ensuring minimal visual impact.

### Eku Energy's Role

- End-to-end project development including construction oversight and commercial structuring
- Procurement and negotiation of BESS supply, construction and Route to Market agreements
- Asset management of Loudwater BESS during long-term operations

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We are proud to have partnered with NHOA Energy on the delivery of the Loudwater battery project. This milestone, along with the Basildon battery project, marks NHOA's exciting first venture into the UK market.

**Ciara Lucas**  
Technical Lead EMEA