
*EOS Data Centre
Project at Newark is
Commissioned*

Energy Optimisation Solutions - Project Update

Energy Cost Reduction with Energy Storage at Zero Cost

EOS has now completed the funding, installation and commissioning of a lithium-ion Battery Energy Storage System (BESS), behind the meter, at Timico's Data Centre in Newark. EOS will operate the BESS under a long-term Service Agreement and Lease with the benefits generated being shared with Timico as the host. Connected into the site infrastructure, the BESS will operate to reduce grid network charges, participate in ancillary grid services (such as frequency control) and capture the arbitrage value of high and low wholesale market prices, in real time.



The 280kW/340kWh system from NEC is located in the car park to the rear of the Data Centre and incorporates its own fire suppression system and fully automated controls. The BESS will cycle (charge and discharge) every day to produce the savings and revenue for both EOS and Timico.

EOS' COO, Peter Walker said: *"We are really pleased to have completed this pathfinder project with Timico who have been great to work with and who have embraced the incredible potential for energy storage on sites with high power consumption"*

Timico Head of Commercial, Alex Hendry said: *"Working with EOS on this project has been very straightforward, they have taken care of everything required and we now look forward to sharing the benefits with them"*

EOS has a significant number of Data Centre Energy Storage projects in its pipeline and over 23MW under contract or Heads of Terms, many include on site renewable energy generation from Solar which is also incorporated into the funding package.

The Newark project is the first of three sites currently in development with Timico and which shows how the operation of BESS can be safely integrated without risk to Data Centre power supplies.

*EOS Complete Energy
Storage Project for
Commercial/Industrial
Complex in Scotland*

Pyramids Business Park to Benefit from BESS

Set in 93 landscaped acres, Pyramids Business Park provides 177,494 sq.ft. of office accommodation and 183,563 sq.ft. of commercial space. EOS has contracted with the landlord, Ashfield Land, to develop energy storage initially for the offices complex and subsequently for the 3 intended Data Centre halls on site.

The offices have a peak demand of around 800kW and historic billing and Half Hour (HH) data has been optimised to select an energy storage asset of 0.75MW/0.75MWh.

Current financial performance will achieve approximately 7.5% power cost reduction each year for the customer against their business as usual power costs.



EOS have funded all capital costs of the project and contracted with Hyosung of Korea for the system supply and UK EPC Contractor Genesis 1:3 for the installation works.

The system will be operated on EOS' behalf by Bryt Energy utilizing the Upside Energy software platform for dispatch.

EOS have agreed a Lease with Ashfield Land and will share the efficiency and savings benefits over the contract term.



Successful commissioning of the system will be completed in the second week in October and the first trades through the Bryt Energy trading desk will commence immediately thereafter.

Stephen Thornton, CEO at EOS stated: *“This is a particularly important project which highlights that Behind the Meter energy storage works for commercial & industrial (C&I) customers, is investable and can make a significant impact on both customer costs and on how BESS’ can contribute to grid support, including frequency control and balancing.”* EOS are developing a pipeline of opportunities with Data Centre operators and Commercial and Industrial customers across the UK with a total current capacity of 125MW.

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