



PROJECT PROFILE

Client: Anesco Limited

Location: Northeast Scotland

Sectors: Renewable energy

Services: Transport Planning

Project overview: Support with highways and transport planning, including overcoming challenges of visibility and HGV manoeuvrability, for both construction and operational vehicles.

Added value:

- Helping to balance energy supply and demand
- Biodiversity net gains of almost 50%
- Wildlife supported throughout lifecycle of BESS

Battery energy storage system, Rothienorman, Aberdeenshire

Anesco Limited has been granted planning approval by Aberdeenshire Council for a 50MW battery energy storage system (BESS) near Rothienorman. The facility is one of Anesco's first BESSs to be developed in Scotland. Motion helped the renewable energy operator achieve a successful outcome with transport planning expertise.

The proposals included 21 battery energy storage containers, power conversion systems, voltage transformers, a switch room, control room, storage locker, fencing and lighting columns. The batteries, transformers and other construction materials will be delivered to the site on articulated lorries up to 16.5m long. Visibility at the site access will be achieved with the aid of a qualified banksman.

The team delivered a robust access strategy, taking into consideration a long, steep access route and a number of sharp bends on the approach to the proposed facility. The dogleg turns were identified for road widening to allow the safe passage of construction vehicles through the site's internal layout.

The challenges of visibility and HGV manoeuvrability were dealt with efficiently. An optimal arrangement was reached for site access and vehicular movements, both during and after construction. Motion demonstrated that temporary traffic during construction will have a de minimus impact.



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