

STORAGE United Kingdom

15,4 MWP Lockleaze FFR, UK



Description

CUSTOMER

LOCATION
United Kingdom

SECTOR
Storage

STATUS
Complete

Project Summary



The Alpha Project consists of three different sites (Lockleaze, Littlebrook, Rufford), and is intended to operate under certain conditions in order to respond to network's frequency fluctuations (FFR) as well as to participate in Triad avoidance Capacity Market (CM) dispatch (future service).

The import/export capacities of Lockleaze site are 15.4MW export/15MW import.

Lockleaze consists of:

Electrical Equipment System:

Seven (7) inverters 2200kVA each

Seven (7) production Transformers 2200kVA each

Seven (7) load banks 2000 kW each

BESS- Battery Energy Storage System:

7 Li-ion Battery Banks of 2.306MWp each, with total energy capacity of 11,770.29kWh

EMS- Energy Management System

A "turn-key" control system solution is designed for the purposes of providing frequency regulation, grid balancing and capacity-on-demand services in accordance with the terms of the Contract and any other services that the National Grid may put out to tender in the UK.