

# STORAGE

L H W

PARTNERSHIP

RENEWABLE ENERGY & ENERGY EFFICIENCY ENGINEERS

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## BATTERY STORAGE EXPERTISE

EXPERIENCE IN BATTERY BASED RENEWABLE ENGINEERING INCLUDING SMALL-SCALE TO LARGE-SCALE OFF-GRID AND HYBRID

Engineers at LHW Partnership LLP first became involved with solar PV in 1999 when PV-Battery systems were adopted for a telemetry power supply for a gas pipeline project in Bangladesh.

Since then, we have been involved with thousands of off grid projects for clients including Transport for London, JCDecaux, Airwave, Sainsbury's and international projects including the Democratic Republic of Congo. Project undertakings have included feasibility studies through to project deliver for a number of domestic and large scale projects from feasibility through to project delivery.

Image: Leighton Buzzard Battery Storage System (UK Power Networks)



## YIELDWORKS

GENERATION AND DEMAND PROFILING FOR SOLAR PV AND BATTERY STORAGE SYSTEMS



LHW Partnership have pioneered Yieldworks, a modelling methodology that incorporates solar PV and battery technologies as well as grid capacity in order to minimise grid exports, maximise self-consumption and maximise import offsets through system sizing. The modelling software is able to adopt historic or simulated 5 minute and half-hourly demand data with lender preferred generation profile data (PVSystem).

Yieldworks can adopt off-grid, diesel & propane hybrids and grid connection capacity factors as well as lead, lead-acid, lithium polymer and lithium ion batteries.

## SERVICES

LHW PARTNERSHIP LLP OFFERS THE FOLLOWING SERVICES FOR STORAGE SYSTEMS

- + Site Energy Data Logging
- + Site Feasibility & Desktop Appraisal
- + System Modelling
- + Development Strategy
- + System Design
- + Tender Specification
- + Tender Review & Vendor Selection
- + Installation Supervision
- + Constrained Yield Appraisals
- + Infrared Thermography Inspections
- + Operation & Maintenance Regimes

