

# Mill Farm - 5MW Grantham, Lincolnshire

## CASE STUDY

**CLIENT**  
Island Green Power

**EPC**  
Bouygues

**DNO**  
WPD

**YEAR**  
March 2016



**Island Green Power developed Mill Solar Farm at Witham Barn, Dallygate, The generation export capacity is 5MW.**

Modus Utilities Ltd was contracted to design, project manage and deliver the 33kV infrastructure connection to the park.

As part of this contract Modus represented and managed on behalf of the client, the point of connection interface with Western Power Distribution and undertook the contestable element of the works as the ICP.

The PV farm is connected to the existing WPD 33kV overhead line network 2020m from the Solar Park..

### The Key Challenges

- 5 Ditch/Stream Crossings
- Road Crossing
- 8 week Programme
- Site Access

### What was our approach?

Early engagement with the EPC was crucial as the site access was one of the biggest constraints for both the EPC & ICP works. A programme of deliveries was developed to ensure that key dates were met.

4 Directional drills were carried out ahead of the Open cut team minimising any environmental impact and delay to the programme.

### Specifications

**Switchgear** - Siemens NXPlus

**Battery Chargers** - PB Design

**Building** - GRP

**Cable** - 33kV AL 500mm<sup>2</sup> XLPE

**Ducting** - 200mm OD Emtelle

