

# 33kV Trowse Solar Farm 4.5MW Norfolk

## CASE STUDY

**CLIENT**  
Island Green Power

**EPC**  
Wirsol

**DNO**  
UKPN

**YEAR**  
Completed March 2016

**Modus Utilities Ltd was contracted to design, project manage and deliver the 33kV infrastructure connection to Trowse Solar Farm.**

Modus represented and managed on behalf of the client, the point of connection interface with UKPN and undertook the contestable element of the works as the ICP

The PV farm is connected to the existing UKPN 33kV overhead line network.

The cable route from the New 33kV Substation is laid through Arable land to the Point of Connection.



### Environmental information:

- The solar park scheme is a strong example of best practice, where the scheme not only delivers clean energy to 4,7000 homes, but also results in substantial benefits to wildlife and the character of the local landscape through native wildflower, hedgerow and tree planting.
- A large area adjacent to the A47 was planted with native shrubs, screening the development and also providing a valuable wildlife habitat. In the northern part of the site, a substantial area has been left free from panels creating a green gap that reduces the visual impact of the scheme.

### Specifications:

- **Switchgear - Siemens NXPlus**
- **Battery Chargers - PB Design**
- **Building - GRP**
- **Cable - 33kV AL 500mm XLPE**
- **Ducting - 200mm OD Emtelle**