

## CASE STUDY

**CLIENT**  
ESCO NRG

**EPC**  
Freitag

**DNO**  
UKPN

**YEAR**  
March 2016



**Cressing Solar Farm provides power for 1,130 homes.**

Owned by ESCO NRG Limited, it was granted permission from Braintree Council to build 46 rows of solar panels on agricultural land to the south of Sheepcote Wood off Witham Road, White Notley.

### The Key Challenges

The cable route had to cross a medium pressure Gas main and Station Road White Notley. Given the width of the road and proximity to the Level Crossing Directional Drilling was selected as the most appropriate methodology.

Southern Gas Networks were consulted and approved an 80m Drill using 180mm HDPE the maximum depth below the road was 1.7m. Open cut either side of the road was then connected with the Directional Drilling and the Park 33kV cable winched through the entire length.

### What was our approach?

MODUS Utilities Ltd completed the design, project management and delivery of the 33kV infrastructure connection to the park. As part of this contract MODUS will represent and manage on behalf of the client, the point of connection interface with UK Power Networks and undertake the contestable element of the works as the ICP. The PV farm is to be connected to the existing UKPN 33kV overhead line network

