



**SPE ELECTRICAL**



## **CASE STUDY 17: ETHICAL POWER**

### **NETLEY NORTH SOLAR PV FARM**

<b>Client:</b>	Ethical Power
<b>Industry:</b>	Renewables
<b>Plant Type:</b>	Solar / PV
<b>Project:</b>	HV Design & Studies
<b>Contract:</b>	Lump Sum
<b>Date:</b>	2018

**“SPE was appointed to carry out a variety of HV design and study activities for a new 3MW Solar PV site.”**

SPE was contracted by Ethical Power Connections, to carry out a series of HV design activities and a series of power system studies to support development of a new 33kV, 3MW solar PV array located in the UK.

SPE was responsible for carrying out the HV design of the plant, which included preparation of the overall SLD, development of a tie-in strategy to the existing 33kV switchgear and main HV cable routing.

SPE were also responsible for carrying out the power system study activities for the site, which included carrying out an IEC 60909 short circuit study, a Loadflow Analysis, P28 Voltage Disturbance Study, Protection coordination study and an Earthing study. The studies will all be carried out with a variety of packages including DigSilent Powerfactory, ETAP and CDEGS.