

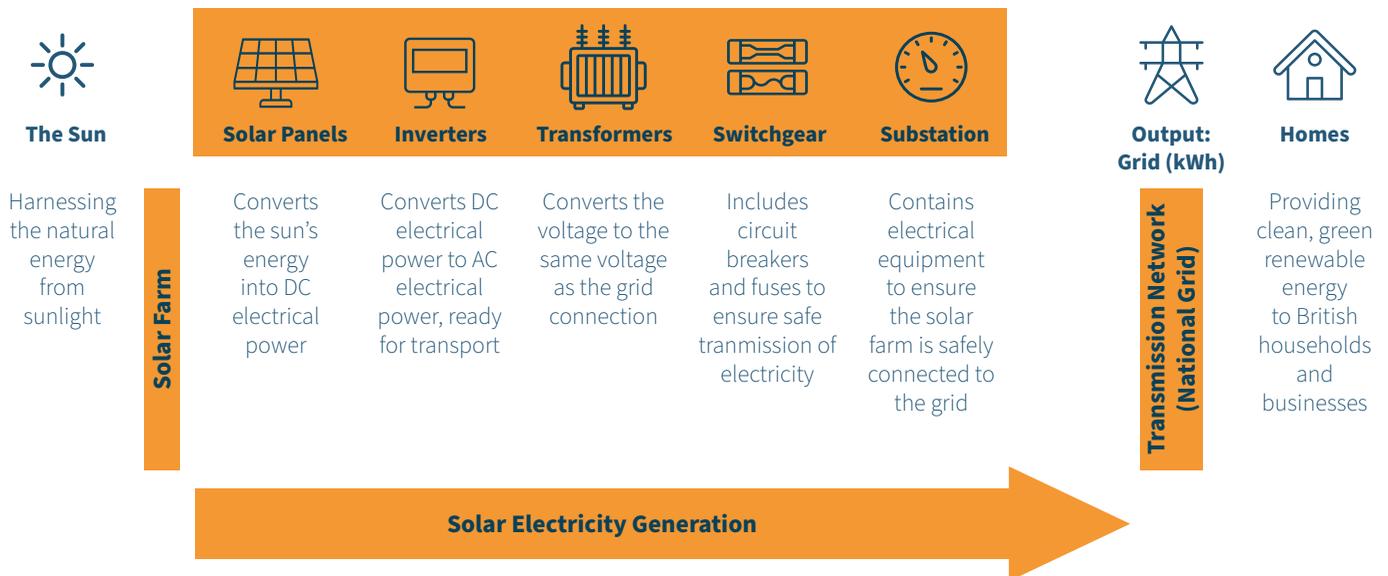
Key Components



HELIOS RENEWABLE ENERGY PROJECT

How a solar farm works

The illustration (below) is indicative of the components usually found on a solar farm.



Battery Energy Storage System (BESS)

The BESS plays a crucial role in optimising the solar farm's output. During periods of peak energy demand, the battery energy storage system will step in and supply electricity directly to the grid.

This feature enhances the reliability and stability of the renewable energy generated by the solar farm, making it a dependable and consistent part of the UK's energy supply.



On-site substation

We are proposing to include a single on-site substation in the centre of the site away from sensitive receptors (such as local houses). The substation connects all the electricity being generated across the site and acts as a single point from which electricity is then transmitted to the main grid connection at Drax National Grid Substation via underground cable.

