

# The benefits of solar power

Solar power is one of the world's fastest growing sources of clean, reliable and renewable energy. At the end of the operational life time of the solar farm, the pile driven frames can be pulled from the ground, and cables and cabinet foundations removed. We then backfill any dips and harrow and reseed where necessary.



## Renewable

Solar panels produce electricity by transforming the continuous flow of energy from the sun to electricity.



## Emission free

No harmful emissions are released into the air when electricity is produced.



## Quick to Deploy

Compared with nuclear or other energy infrastructure that can take decades to develop, solar farms are relatively quick to deploy with construction lasting months rather than years.



## Bridging the energy gap

Compared with traditional power plants, solar installations are quick to deploy and can be operational in a matter of months securing low cost low carbon power for the UK - boosting the nations energy independence.



## Low impact to land

Solar installations have a relatively limited footprint, and it's easy to remove infrastructure at the end of its lifespan - not many other 'power station' types can say that! The pile-driven frames can be pulled out and any concrete and gravel easily removed with no damage to soil quality. We then backfill any dips, and harrow and reseed where necessary.



## Continued agricultural use

About 70% of a solar installation is open grassland. If it's appropriate, agricultural land can remain in use with smaller livestock such as chickens or sheep grazing. Stocking densities are rarely affected. Maintaining agricultural heritage whilst developing the UK's rural economy through dual-land use.



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## Limited noise

Operates with minimal noise output.



## Boosting biodiversity

Opportunities to enhance flora & fauna.



## Local & clean generation

Lowering the local carbon footprint.



## Boosting biodiversity

The global consensus on biodiversity loss is clear, unprecedented loss of life across our planet has resulted in many experts claiming we are now facing the sixth mass extinction. Leading wildlife organisation such as the RSPB, The Wildlife Trusts and ZSL have called for active engagement for the protection of nature. With appropriate planning our sites provide an opportunity for flora and fauna to thrive throughout the lifetime of our solar farms.



## Supporting rural business

Farmland diversification with solar has been proven as a good solution to support rural business. It provides a secure and sustainable income as well as protection from market and weather volatility.



## Why ground mounted solar?

Though part of the solution, rooftop solar alone cannot deliver on the transition to a clean energy future. There can be structural challenges with rooftop solar as well as legal complications that can inhibit deployment.

Ground mount solar farms offer an efficient way to meet the scale required to help assist the UK's transition to net-zero.