

# SOLAR PV FARMS



“Wide range of complimentary in-house environmental capabilities”



There has been a big fall in the cost of Solar PV recently. As a result, solar PV systems are still economically viable in the right location and the optimum project size, offering typical rates of return of 8-10%.

Landowners now have the ability to become energy farmers by building stand-alone solar PV facilities. These facilities require flattish unshaded areas that are between 0.1 and 5 hectares in size and within easy reach of a 3-phase power line or local substation. The solar PV modules are installed approximately 2m above ground and it is beneficial to be able to sensitively locate them in areas where visual impact can be limited.

## HOW CAN SLR HELP?

SLR provides a wide range of technical and professional services to the renewable energy sector and to the landowner directly. Our core services for solar PV include the following:

- **Site-finding, feasibility studies and resource assessment** to determine where the best sites for energy yield are, taking into account both technical constraints and environmental issues. SLR has particular expertise in minimising the obstacles to project development by helping find the optimum locations so that renewable energy potential can be integrated into overall property strategy.
- **Environmental studies in support of planning applications.** Many projects that are well designed need only the minimum of specialist studies to prepare a planning application,

but where the site has environmental constraints, we are well used to resolving these with focused studies or surveys to support the project approval process. SLR has a wealth of relevant experience from hundreds of renewable projects to ensure planning applications are completed in a cost-effective and timely manner.

- **Installation and supervision services** once planning has been granted, SLR is able to provide services relating to the choice of technology and construction of the facility.
- **Due diligence assessment** taking into account factors such as project design and construction, contracts, technology selection, energy yields, grid connection and planning analysis.

## SLR CAPABILITIES

- Detailed knowledge of solar PV and a long track-record of successfully delivering renewable energy projects.
- Unique ability to translate renewable energy potential and environmental issues into advice on value and property strategy.
- Ability to see the project through from initial feasibility to planning and onto construction and commissioning.
- A wide range of relevant in-house capabilities that include key skills such as planning, landscape architects, ecologists and engineers.



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