Enhar
Sustainable Energy Solutions
Energy Efficiency
Renewable Energy

Solar Energy Services

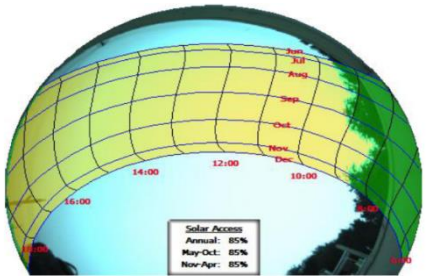
Consulting services assisting the rooftop solar industry and commercial to utility scale solar project developers

Commercial Solar Services

Feasibility Assessments

An independent solar power feasibility assessment:

- determines the output of PV arrays based on the panel orientation, solar resource, site constraints and solar panels' technical parameters
- analyses the site's electricity consumption pattern via bills, times of operation and interval data
- recommends appropriate locations for mounting of PV arrays (roof flush/pitched or ground mounted)
- determines the optimum site specific system sizing based on the financial return of the installation
- matches site consumption profile with optimum PV array orientation; e.g. multiple orientations may be favourable to spread daily generated output.
- assesses local shading issues and site constraints
- explores amenity, planning and grid connection
- includes a detailed financial analysis.

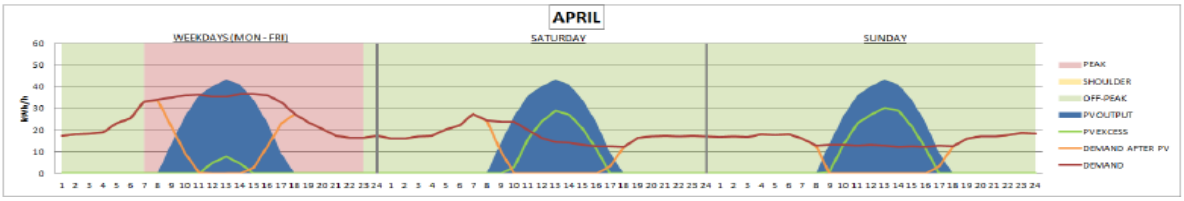


Site Identification and Evaluation

For multisite organisations we determine optimum solar opportunities by providing a site identification and evaluation service. Each site is ranked based on the financial returns achievable, with consideration of site consumption profiles, electricity tariffs, available roof space/orientation, shading and grid connection ease. This service has been very successful in assisting councils and large multi-site organisations looking to implement a solar rollout of their facilities.

Hourly PV Yield and Consumption Analysis

Using interval electricity data or detailed hours of operation and bill information, and calculated solar hourly output averaged per month, the solar fractions consumed on site (peak and off peak) and exported to the grid are obtained. This information is used to improve the accuracy of a financial projection of the installation, and assist in optimising the proposed system size and orientation.



Shading Analysis

Using a combination of software developed in house and three-dimensional sketching software we produce detailed scaled drawings of hourly shade lengths and paths to assist solar array design and layouts. Identification of shade obstacles can be performed by a desktop study using online satellite imagery or an on-site inspection.

Our Clients Include:

Frankston City · GrainCorp · vicroads · City of Melbourne · Woods · Public Record Office Victoria · AGL · COREX · Manningham · Melbourne Water · Philip Morris International · The University of Melbourne · wannonWATER · Harvey Norman · Oxford Cold Storage

Drawings and Visualisation

Enhar can construct schematic designs and drawings of the PV systems for issue to client. A three-dimensional visual representation of the PV location can also be conducted with respect to surrounding buildings and infrastructure.

Solar Project Development

Tender Documentation

Enhar have experience in tender documentation for large scale solar PV projects. The tender documentation can include detailed site information specific to solar, general tender specification and required tender submission forms. Adequate tender documentation ensures quality, consistency in the tender submissions and streamlines the tender evaluation process.

Tender Evaluation

Working with you and with reference to the tender documentation, we can assist in tender evaluation including recommended categories and weightings for selection, and an independent evaluation.

Project Management

Third party project management will reduce internal staff times to the project, ensure quality of workmanship and ensure an export is on your team.

Manufacturing and Retail

Product development

We conduct market analysis for panels, inverters, storage devices and identify latest technology trends and demand. Our analysis assists solar manufacturers to launch new products in Australia.

Accreditation and compliance

We provide advice and organise testing and certification of solar panel and inverter products for electrical safety and successful entry onto CEC approved listings to ensure regulatory compliance.

Solar Farms

Site Identification

We assist solar farm developers through GIS mapping of suitable areas. Through research of suitable sites, we provide introductions to landowners and provide desktop feasibility studies.

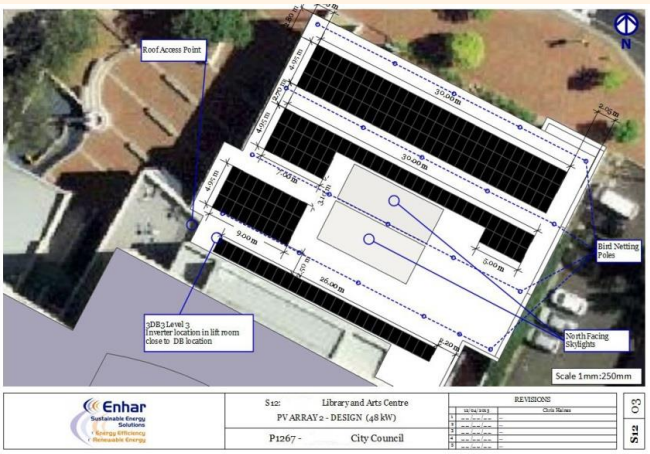
Planning Approval Support

Co-ordination of environmental assessments and liaison with council representatives ensure applications have the highest chance of successfully receiving a permit.

Landowners Seeking to Develop a Solar Project

For land-owners with the means to invest in their own project, owning a small solar farm can generate several times more income than leasing land to developers. We can assist land-owners to develop a solar farm on their property.

"We assist clients to generate power and income from the sun through appropriate solar power developments"



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