CENTRE FOR RENEWABLE & SUSTAINABLE ENERGY STUDIES

UNIVERSITEIT STELLENBOSCH UNIVERSITY

SOLAR PHOTOVOLTAIC (PV) CONSULTING SERVICES

The Centre for Renewable and Sustainable Energy Studies at Stellenbosch University acts as a facilitator to stimulate activities and projects in renewable energy research and studies. The Centre is also active in contract research and specialist consulting projects with wide expertise in renewable energy and is a third-party, independent technology advisor for clients who want to install renewable energy solutions.

Solar PV has become a very price-competitive and popular solution to off-set electricity usage in South Africa and especially for large users of electricity with available land or rooftop area. The Centre's specialists guide companies through the process of procuring and installing solar rooftop PV systems resulting in an optimal solution. The Centre performs on-site pre-feasibility studies for clients interested in installing large (>50 kWp) PV systems to offset their electricity use to ensure that PV is the best and most realistic solution for the client. The typical services include the following:

PREFEASIBILITY STUDIES

- Derive electricity usage profiles based on historical measured or billing data
- Conduct on-site investigation into suitable areas to install ground-mounted or rooftop PV systems
- Assess the available solar resource for specific locations based on satellite-derived, time-series data
- Conduct detailed PV electricity production models for accurate long term predictions
- Provide detailed financial analysis and finance models for PV installations

TENDER PROCESS ASSISTANCE

- Develop detailed technical specifications for PV turnkey projects
- Guide the client through the tender process
- Participate in and advise tender evaluation committee
- Secure the lowest risk and best priced solution from trusted equipment suppliers and installers

CONSULTATION

- Assist the client in a technical advisory capacity
- Monitor project progress and conduct on-site inspections

The Centre is not affiliated with any specific technology supplier or installer and thus will ensure that the final renewable energy solution supplied is best suited to the client's needs with the available resources.

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