



## Concentrator Photovoltaic (CPV)

Concentrator Photovoltaic (CPV) technologies utilise precision optics and relies on high energy that generally exceeds the yield from conventional flat plate. This technology provides a solution to address the current shortcomings of non-favourable irradiance conditions affecting solar power outputs. It will be a cost-effective option.



## Advantages

- Increased and more reliable power output compared to conventional photovoltaic flat plates.
- Affordable

## Market Application

An affordable energy solution that is highly suited to South African weather conditions.

## Opportunities

- Investment
- Partnership
- Distribution
- Manufacturing

## Development Status

TRL 4: system validation in laboratory environment.

## IP Protection

South African patent application was granted in 2015.

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