

# PROJECT CAPABILITIES

We provide turnkey energy solutions, from inception throughout the project lifecycle in countries across the African continent.

**NUVO**  
**ENERGY**



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[www.nuvoenergyafrica.com](http://www.nuvoenergyafrica.com)

Nuvo Energy 2021

# WHAT WE DO FOR YOU

Our team comprise of various professionals with an excess of 200 years' worth of experience. Our various disciplines includes Project, Cost and Green Management, Electrical, Mechanical & Industrial Engineering.

Each of the aforementioned disciplines is specialised in the Renewable Energy solutions space.

Our LEED & Green Star accredited sustainability professionals can assist you to reach your certification goals. We further leverage our partner relationships to benefit our clients and maximise their returns through our Tax & Grant Advisory offering.

**This inter-disciplinary approach of all our professionals ensures that we deliver the right level of advice, expertise, experience and products to fit the needs of the project, business and stakeholders.**

We have completed projects throughout Africa with our strong network of partner businesses in Zambia, Nigeria, Ghana, Uganda, Lesotho, Namibia and Botswana.

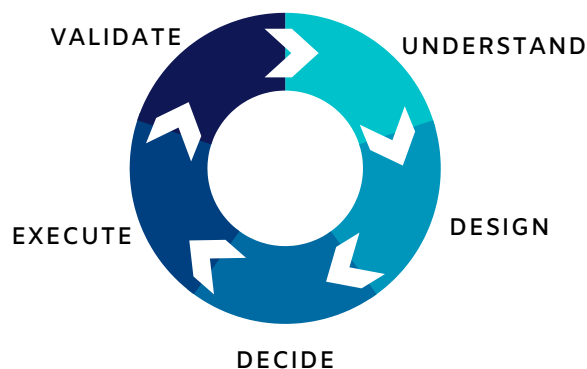
Our partner companies hold excellent African knowledge, understanding and delivery experience which puts us at the forefront of our service offering leading to positive change that contributes to the country's economic growth.

Highlighted here after are some key projects the partners have completed.

NOTE: Due to the sensitive nature of our client's privacy we have not disclosed contact details. Should these be required kindly request in writing and they can be shared under a non-disclosure agreement.

**At Nuvo Energy it is about choosing sustainable energy solutions. Choosing quality of life and collectively creating a positive future.**

Our services include Energy Audits, Assessments and Smart Metering, Green Building commissioning, certification and Energy and Water Benchmarking audits. Consultancy Bespoke design and engineering solutions. Procurement, supply and delivery to site. Professional high quality installation done by our teams. Proactive Operation & Maintenance. Advisory services on how to best create value from tax incentives, legislation and grants. Provision of tailored financial solutions.





## PONGOLA

### COMMERCIAL

603kWp

Kwa-Zulu Natal, South Africa

This commercial shopping mall was being billed high electricity tariffs and the owners were looking at a means to reduce operational expenditure. We installed a 603kWp grid-tie solar PV system in order to reduce grid import energy. A 500kVA generator was also installed to ensure business continuity during power outages. The solar PV system integrates with the generator using the Wattmon Mega Controller.



## PRIESKA

### UTILITY

1MW Utility Project (Phase 1 of 50MW)

Northern Cape, South Africa

This project was done in partnership with the local municipality that will wheel the power via the Eskom network to several energy off takers in other Eskom connected points throughout South Africa. The plant currently consists of 1MW of Mono Perc Modules and 1MW of SMA SHP 100-20 inverters. The plant is connected via the MV Eskom network and will most likely scale to a total capacity of 75MW.



## VIKING SNAKS

### INDUSTRIAL

330kWp Supplementary Solution

Kwa-Zulu Natal, South Africa

This manufacturing facility wanted to reduce their grid import power. When Eskom is down we integrate the system with a diesel generator to reduce diesel consumption and increase the ROI of the system as well as reducing operational costs.





## KILLARNEY MANOR

**LARGE SCALE RESIDENTIAL**  
100kWp Supplementary Solution  
Gauteng, South Africa

This residential property was being billed high electricity tariffs and the owners were looking at a means to reduce operational expenditure on electricity. The highly recommended solution was a grid-tie solar PV system with generator integration. A modified carport truss system was installed on 5 roofs which maximized yield of the solar plant.



## NGAMILAND LUXURY LODGE

**SOLAR PLANT OPTIMISATION**  
200kWp with diesel generator integration  
Okavango Delta, Botswana

Nuvo Energy were mandated to optimize various solar plants for our client. The solar plants were running excessively on diesel generators and the solar yield was sub-optimum. The solar plants were optimized and diesel generator usage was reduced by up to 60% thereby resulting in a significant OPEX saving for the customer.



## Dfid & EU SOLAR NIGERIA PROGRAM

**OFF GRID**  
Modular Energy Solution  
Nigeria

The Solar Nigeria Program rolled out by the European Union & DFID UK across various states within Nigeria provided constant power to rural Hospitals, Healthcare centres and Schools. Nuvo Energy has been involved with this project from Phase 2 - 6. It should be noted that this project was successfully executed in extreme high risk security locations and showcases Nuvo Energy's ability to work in extreme regions of the continent.









**WE LOOK  
FORWARD TO  
WORKING WITH  
YOU SOON**



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