

JOIN THE  
**GREEN ENERGY  
REVOLUTION**



## 1. About Us

## 2. Service Offerings

- Hybrid systems
- Batteries, Micro Grids, and Grid Tie systems
- Finance modelling
- Maintenance and operations
- Monitoring systems
- Consultation on electrical engineering
- Renewable Energy Feasibility Studies
- Mediation of Energy Storage

## 3. Testimonials

## 4. Contact Information

Plug and Play Energy delivers top quality products at affordable prices. The market is constantly monitored for new technologies and better solutions, while maintaining the high standards and professional workmanship customers deserve.

# ABOUT US



Plug and Play Energy is a top quality provider of renewable solar energy solutions in South Africa. Our mission is to provide high-quality, cost-effective energy solutions to all South Africans, no matter what their needs are.

We provide and install optimized electricity solutions for single houses, multi-tenant industrial complexes, retail environments, agricultural concerns, solar farms and more. We also offer turnkey solar solutions to other service providers in the renewable energy industry.

Our projects range from small residential installations to large commercial ones. We are helping hundreds of customers across South Africa to reduce their electricity bills or even completely eliminate them through our innovative solar solutions.

We are passionate about what we do and it shows in the quality of our work.

## CONSULT, DESIGN, IMPLEMENT AND MAINTAIN

**With branches nationally we have a wide reach for support.**

Although our main product is solar energy, we have a dynamic approach to renewable energy and look at energy utilization holistically. After careful review and consideration of required processes and energy efficiency, we find options and solutions which improves synergy.

Understanding that every company is different, we work with our customers to understand their operations to remove all assumptions and guess work when compiling and modelling well-presented in-depth studies and solution options by conducting energy audits.

**We would love to work for you in improving your energy security.**



## Help preserve the planet for future generations.

The more renewable energy replaces fossil fuel as our primary source of energy, the better our environment will be in the future.

Plug and Play Energy delivers top quality products at affordable prices. The market is constantly monitored for new technologies and better solutions, while maintaining the high standards and professional workmanship customers deserve.



Even in a world full of uncertainty, we can rely on the sun rising each morning, providing enough energy to power our planet many times over.

## SOLAR PRODUCTS



### INVERTERS

Plug and Play Energy installs Schneider, Victron and Sungrow inverters, and we have expertise in both brands, as well as competence in system commissioning and firmware upgrades.

### PV PANELS

Plug and Play Energy only uses panels from Tier 1 panel manufacturers that carry a 20-year linear degradation warranty.

### SWITCH GEAR

Customer safety is taken seriously and only top quality products are used. IEC best practice is followed to provide safe installations. No short cuts are taken to make systems cheaper at the cost of safety.

### BATTERIES

Embrace a future where the lights stay on! Lithium-ion batteries have become more and more affordable. Battery back-up systems ensure continuity of power.



## HOME GROWN MOUNTING SYSTEMS



Plug and Play Energy has a mounting structure suitable for almost all roof types, with thatch being our one exception. We also have a carport solution which can be made water resistant.



Plug and Play Energy has developed a solar mounting structure which complies with all the leading best practices and standards. The 100% aluminium rail is locally produced with 95% of the other components also locally sourced.



Local is lekker! Our system is easy to install and good for the country. Plug and Play Energy is doing what it can to enhance local economic growth and environmental sustainability.



## No Project Too Big Or Too Small

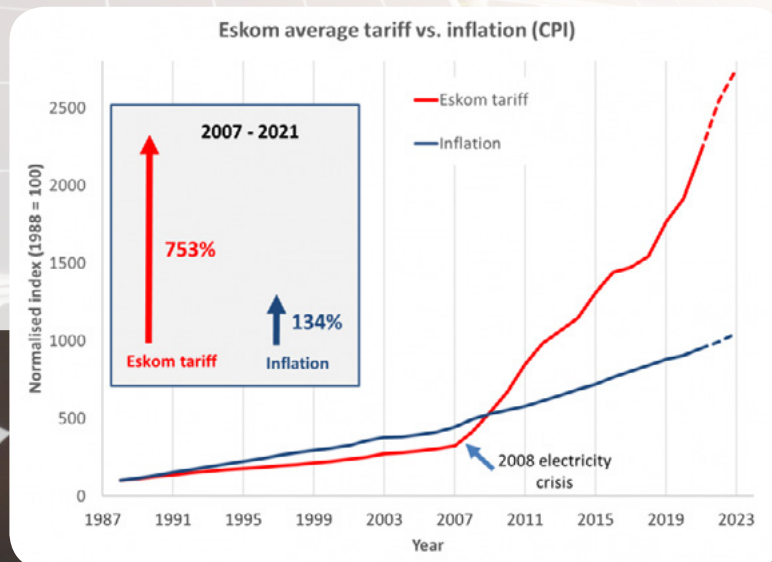
Have you seen Eskom's shocking forecast of increases over the next few years?

- Now – 20.5%
- 2023 – 15.7%
- 2024 – 10%

Meaning a potential increase of up to **nearly 50% in the next 3 years!**

Don't become part of these increases.

See below the Eskom tariff vs. inflation graph



# SERVICE OFFERINGS



## HYBRID SYSTEMS

One of Plug & Play Energy's specialties is supplying 24/7 power to client operations through the use of solar PV, batteries and generators. Plug & Play Energy has server sites with over 4 years of 100% uptime.

## BATTERIES, MICRO GRIDS, & GRID TIE SYSTEMS

The skills we have allow us to design, build, repair and/or optimize solar panels, inverters, and battery systems of all shapes and sizes.

## FINANCE MODELLING

We have the capability to model and create business plans for solar solutions. However, for more complex solutions we turn to our financial partners for PPA or other financed options.

## MAINTENANCE AND OPERATIONS

The engineers at our company have extensive experience maintaining a variety of commercial and industrial plant types.



# MONITORING SYSTEMS

In order to manage the systems, Plug & Play Energy offers a comprehensive monitoring platform to assist their system financiers, clients, and technical personnel. We offer this as a monitoring portal and service off-site.

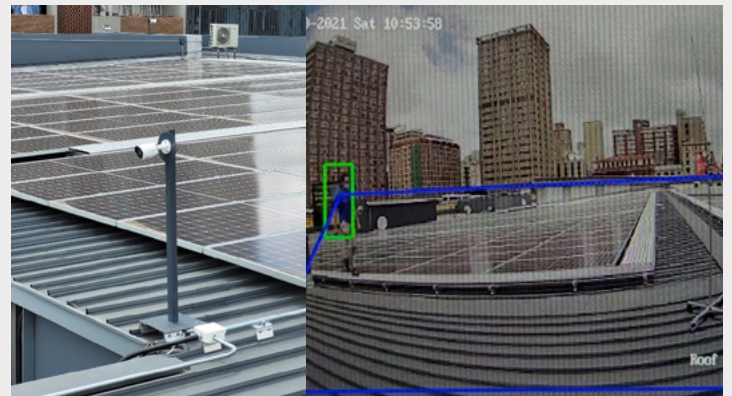
Solar monitoring is a great way to identify production issues early on, such as faulty wires or solar panel issues. Real-time data makes it easier to identify problems quickly before they cause a significant decrease in solar energy production. We give professional feedback with reports, off-site live.



## Protect your panels (Value Add)

### Surveillance/Alarm systems

We use Artificial intelligence electronic security systems to protect against theft of panels. We use CCTV, intruder & video alarms, radar, trip wires, lighting, locking fasteners etc. with fight back options (Voice, Fog, Sirens, Strobes etc.) to minimise your risk of losing your entire financial investment.



### Pest Protection

A problem never mentioned by solar panel installers are pest birds.

Birds can do significant damage to your investment!

Fixing mesh around the sides of solar panels is a popular method of protecting them. Mesh will be used to block off the area so that birds are not able to access it. This innovative system keeps birds away from your solar panel systems, protecting your investment. Installation is easy, and the cover can be removed for maintenance and cleaning.



## CONSULTATION ON ELECTRICAL ENGINEERING

In addition to audits and designs, we can carry out grid studies and system optimizations with our Engineers.

## RENEWABLE ENERGY FEASIBILITY STUDIES

Through our partners, we conduct engineering, environmental, geotechnical, and surveying feasibility studies.

## MEDIATION OF ENERGY STORAGE

Using battery-based energy storage to meet demand when it is needed and/or to export energy.



**We offer solutions that meet your needs, and your budget!**

# TESTIMONIALS



"P&P Energy have proven to be a great partner on solar PV projects in South Africa. Through their experienced design team and efficient procurement and installation, clients are able to obtain greatest value and optimised system for their unique needs. I would certainly recommend P&P Energy for any residential and C&I solar PV projects."

**- Sheldon Bailey, MD - TriEnergy**

"Very professional people. Great work and support. The team paid attention to every detail for the projects we gave them, ranging from 100 to 300kw systems. Love the off site monitoring system and production reporting. My peak production is as expected and seen substantial reduction on electricity bill. I encourage people to go solar/green, because that's the right thing to do, during these testing times."

**- Chad Francis, CEO: Chemipol Solutions, Liquidcolours, Kannar Earth science, Speedbird Investment Holdings**

"Plug and play has looked after my store for the last 3 years and ever since implementing my solar features I have never had a problem. Coupled with great service and friendly technicians they have always helped us with pleasure. Would highly recommend them!"

**- TJ Bryant, Restaurant Chain Owner**

"The most efficient team. Work performed at the highest level of professionalism. Superior products. Thank you kindly."

**- Rochelle Van Rooyen, Head of Risk HP**

"We as the Landman Family would like to take this opportunity to thank you for the installation."

Firstly Thank You for the professional way in that you handle the situation and that you reacted in the speedy manner that you did. Quintin to You Thank You for this it is really appreciated. You are a True Gentlemen and a Incredible example to all.

To the Installation Team thank You for the professional and courteous way that you all handle the situation with Our Mother during this period. The way the team conducted them selves when they went in to measure up was impeccable and we would like to Thank them for this.

On the day of the installation to all the Guys that were there to install the system Well Done. The installation is neat and professionally done, once again the Team was impeccable in their manner.

Well done and Thank You from the bottom of Our Hearts."

**- Landman Family**



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