



STEVE WATSON

“If you want results, you go to the best and follow their recommendations exactly. I am very happy”

LANCE MAPHOSA

“Seeing the results of the solar savings, and understanding my power use, is an exciting way to become independent.”

WARREN GREEN

“I am so excited. I enjoy watching the power generation from my PC screen. Its very addictive to start maximising your savings.”



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CORPORATE BUSINESS PROFILE



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PAUL LOMBARD
DIRECTOR

DIRECTOR MESSAGE

SUNTHESIS was founded on the photo-synthetic principle of supplying the most sustainable energy solutions in partnership with Nature. We pride ourselves on educating our existing and prospective users regarding pre-emptive energy conservation strategies and then to design, supply, install and maintain the Energy Assets in optimum working order.

We have found that the fundamental challenge to adopting renewable energy has historically been the upfront costs. Residential market, Businesses and Educational Institutions, who are most needing of this transformative technology and power availability, now can benefit from our Finance offerings which are engineered to assist clients to become more energy-efficient in their processes.

Utilizing Finance/Rent to Own or shared Savings models, can unlock your savings potential with monthly payment plans. These 2 options allow you to acquire the asset today with no capital outlay.

Every kWh you produce is potentially R2 saved. The aim shouldn't be to save on your solar installation which then performs poorly, but rather focus on the best equipment to utilize your Solar Power system to save the maximum amount of kWh's (kilowatt hours or R2's) daily.

The price of electricity will only rise in the years to come, and the supply will become ever more restrained.

That means you will never pay any less than you are paying right now unless you choose an alternative or to supplement with some free energy.

SKILLED TEAM MEMBERS



PAUL LOMBARD DIRECTOR

With 10 years' experience in the Solar industry, from Portable power projects across African countries to large Utility-scale Projects in South America. Paul has set a goal to power Africa in the most sustainable way, utilizing only the best-in-market components, delivering the most sustainable energy solutions in the market.

This combined knowledge across different project types has positioned Paul to strive for the highest level of compliance, and loss-reduction strategies, ensuring superior power generation over the long term, increasing your profitability and sustainability for the future.

Paul is one of the Founding Directors of Sunthesis and aims to install 2MW – 5MW of Solar production annually, to inspire the human spirit to live easier in harmony with abundant free-living possibilities.



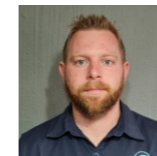
ROLAND DU PLOOY HEAD OF TECHNICAL

With hundreds of projects completed over the last 5 years, Roland is uniquely qualified to head our technical department with enthusiasm and passion for the Solar Industry and our technology partners. Roland is fully accredited by many of our leading brands of technology, and we thereby have unique access to the firmware of the technology, ensuring maximum performance can be achieved every time, through ongoing monitoring and support.



JOSH OATES SOLAR ARCHITECT ENERGY AUDITING

Josh is heading up our Durban branch of Sunthesis Energy. With over 10 years' experience in the ICT industry, CCTV, Networking and Smart Solutions industry, Josh is well positioned for delivering easily structured, customized solutions. He has a passion for finding innovative ways to solve power related and networking concerns and saving our clients time and effort to extract the most optimal solution, every time.



ANTON DU TOIT HEAD OF OPERATIONS MASTER ELECTRICIAN

With over 8 years' experience in the Electrical sector, and having full compliance certification for each milestone, Anton is an incredible asset to the team. Anton has now achieved his Master Electrician license and PV green card with us, to allow him to sign off the projects he leads. Striving for perfection at each step is a shared vision for Sunthesis.



CHRIS SUTTON SOLAR ARCHITECT ENERGY AUDITING

Chris has a deep understanding of what an estate customer truly wants and can achieve. Having been on the board of Directors of Estates for over a decade, Chris Sutton is distinctively capable of tailoring the solution to fit your complex needs. Through accurate Energy Auditing of the facility or home, the various ways to save become most apparent.



JUAN DU TOIT OPERATIONS & PROCUREMENT

Juan has a passion for project management and is integral in the panelling, reticulation and ensuring highest levels of compliance at each connection point. With 10 years of experience across multiple fields which now converge into perfecting power management for us. Our shared belief in striving-for-perfection is shared by our entire team.

ABOUT OUR COMPANY

With **3MW of load taken off the grid**, in both Domestic, Commercial & Retail applications, **Sunthesis is a leader in PV installations and true EPC.**

We have the vision to engineer **world class personalized-power solutions** in the renewable energy sector and forge ahead of the competition by achieving more with the same equipment.

Everything we do is about you, your business, and your loved ones!

We prioritize what you need, to ensure **power independence** in a phased approach for the long term. **Choosing Cheap always costs you more, down the line.** We strive for perfection at each connection point, to ensure you never need to worry about Power again.

Full Turnkey EPC solutions and support, to achieve the desired savings.

All our Nationwide teams have PV Green Cards and are SAPVIA & SANS 2021 accredited and work in compliance with all grid codes and pre-approvals.

We have the confidence and skill to **guarantee the production** you will achieve with your power Plant, based on our **state-of-the-art modelling Software** and load simulation profiles we have gathered over the years.

Our energy optimization and loss reduction strategies are unmatched.

We have branches in Johannesburg and Durban and install Nationwide due to the reliability of our systems.



**DESIGN ● INSTALLATION ● FINANCE
MONITOR ● MAINTENANCE ● SUPPORT**

PROVIDING MARKET-LEADING CUSTOMIZED ENERGY SOLUTIONS

OUR BRANCHES

JOHANNESBURG

**199 JOHANNES STREET
FAIRLAND
GAUTENG
2170**

TEL: 010 745 4752

DURBAN

**1 LINDSAY DRIVE
CHAKAS ROCK
DOLPHIN COAST
KWAZULU-NATAL
4399**

TEL: 010 745 4752

OUR POWER ASSETS

We have always believed that free power should not cost you a fortune. We strive for the highest level of compliance, and loss-reduction strategies, ensuring superior power generation over the long term, increasing your profitability and sustainability for the future.

OUR HERITAGE

SUNTHESIS is a wholly owned subsidiary of Phase 3 cc, founded in 1995, with 26 years' experience in the construction and electrical industries. In building sustainable homes, water harvesting and Solar power became obvious inclusions.

MISSION

To inspire the human spirit to live easier in harmony with free-living possibilities.

FOLKLORE

SUNTHESIS was founded on the principle of photo-SYNTHESIS.... Working in harmony with nature to achieve sustainable growth, and exceeding expectations with that abundant resource.

OUR SOLUTIONS

TURNING SUNLIGHT INTO MONEY

RESIDENTIAL

Do not be afraid to put your energy into learning about power alternatives this year.

Power Independence means that you are no longer at anyone's mercy regarding your power consumption needs. Invest in a **SMART** Energy Asset, that will **GENERATE MONTHLY SAVINGS & SUBSTANTIAL PROFIT** over the coming decades.

EDUCATIONAL

Wanting to grow your ICT offering in your institution but electricity is unreliable or becoming unaffordable?

Let us help you **DESIGN** and **INVEST** in the most efficient infrastructure to ensure continuation of learning.

COMMERCIAL

Don't feel **POWERLESS** with electricity Interruptions in business operations. **TRANSFORM** the way you think about power as a resource, as it all affects the bottom line.

Your solar power system should be viewed as a **FINANCIAL PRODUCT** that generates annual returns, like other investments

PORTABLE

LOCATION is everything if you want to be resilient to change. Mobile, temporary or portable power units deliver new Business or Medical opportunities with remotely monitored and self-powered solutions.

New services and facilities can now be provided to remote and generally off-grid areas in more sustainable ways.

Your solar power system should be viewed as a financial product that generates annual returns like any other investment. Investing in your Solar PV system can provide the fastest returns on your investment, outperforming property, stocks or even SA Bonds.

Installing a secure and reliable solar PV asset provides you with the means to fix your electricity rate for more than 25 years. The low maintenance panels come with a 25-year production output guarantee and the expected useful lifespan is well over 40 years if correctly mounted and maintained.

A Solar PV system protects you from rising electricity prices for decades to come and becomes profitable between year 4-7. However, the cost and risk associated with a poor installation greatly outweigh the cost of hiring a

professional who will certify the installation.

Do not be afraid to change your energy supply NOW!

Many customers feel that the pride and peace of mind of solar 'pays for itself' as soon as the system powers on, and they can remotely monitor and adjust their system on their smart phone app.

Contact us for Finance Application Form.

WHY WE PROVIDE BEST BUSINESS SERVICES

Sunthesis has the construction expertise when considering the longer term for each aspect of your power asset, including the mounting structure being designed in partnership with your specific roof structure design or type.

Extracting the most kWh's in sustainable production, is our core focus and we are committed to exceeding your expectations.

1

SOLAR FINANCE

A fundamental challenge to renewable energy adoption has been the upfront costs. We provide you with multiple ways to achieve the dream, with easy installments or a Shared Savings model.

2

PERSONALIZED ATTENTION

We care about your successful solar experience. It is our priority to ensure we build successful, long lasting relationships with our clients and partners while assisting them to extract every kWh from their power plant.

3

IN HOUSE TECHNICAL CAPABILITY

SUNTHESIS are one of the few Solar companies in Southern Africa that have our own in-house technical team to execute Solar PV, Genset integration and Electrical projects across South Africa and the continent. This often Includes either battery storage or Generator Integration.

4

O&M CAPABILITY

SUNTHESIS provide maintenance services for metering, power factor correction, building performance reports, roof cleaning, full warranty, maintenance and 24/7 Remote

WHAT WE OFFER

Your Return on Investment or “payback period” is linked to uptime and long-term generation potential. If your system is underperforming, you will not achieve those desired savings.

We provide customized solutions with full operational maintenance (O&M services). We secure your investment via remote monitoring, & on-site monitoring to ensure industry-leading uptime and overall production.

We can guarantee more production, with the same equipment!

Cost reduction strategies and ongoing monitoring of the building performance is critical to ensure maximum savings are extracted over the long term. Our modular designs to achieve Peak-shaving can significantly reduce your bill, without incurring the full investment upfront.

RENEWABLE ENERGY

Supplier of market-leading engineered energy solutions in the green building sector

GENERATOR INTEGRATION

Integrated battery and Genset solutions

O&M CAPABILITIES

Auditing, reporting, warranty, panel cleaning and 24/7 remote monitoring

SUPPORT

Your success is our success story. We walk this exciting solar Journey with you.

WORK PROCESS



STEP 1

ENERGY AUDIT

Energy Audit & Circuit Analysis



STEP 2

CUSTOM DESIGN

Customised Proposal based on real needs



STEP 3

POWER DELIVERED

Installation and 24/7 Support

WHY USE A PV DESIGNER EXPERT?

There is simply no better way to predict the financial viability of a PV system and fine tune the Design requirements, than to use a PV design simulator. This avoids typical mistakes like selecting the incorrect system design or unknowingly buying a system that cannot generate what you need (generation-consumption profile mismatch). Using the correct battery technologies as well as the sizing to meet expectation. Our financial simulator will calculate battery life and incorporate battery life for an accurate ROI. Avoid disappointment later; take the time to ensure correct design.

The average PV module sold to a household in Southern Africa will only produce 60% of its potential capability. This is due to throttling or storage losses.

Only 1 in 10 residential systems sold in S.A. have been correctly designed using a PV simulation tool.

An electricity bill SHOULD NOT be the main factor used to design a PV System.

PV module angle should be determined by seasonal requirement, and not only on maximum yield in one season



NATIONWIDE INSTALLATIONS

from Johannesburg to Durban to Cape Town.

We have installation teams across the Country (45 field staff), ensuring we capture all the Sunlight we can for you.



OUR COMPANY SKILLS

THIS IS HOW WE ACHIEVE INDUSTRY LEADING UP TIME

- ➔ ENERGY AUDITING
- ➔ METERING
- ➔ SOLAR ARCHITECTURE
- ➔ UNIQUE DESIGN
- ➔ PROCUREMENT
- ➔ BUILDING
- ➔ COMMISSIONING
- ➔ OPERATION & MAINTENANCE
- ➔ TRAINING
- ➔ INSPECTION REPORTING
- ➔ CLIENT HANDOVER PACKS
- ➔ 24/7 REMOTE MONITORING
- ➔ FULL WARRANTY OPTIONS
- ➔ SOLAR FINANCE

SERVICES AND MAINTENANCE PACKAGES

Your Return on Investment or “payback period” is linked to uptime and long-term generation potential. If your system is underperforming, you will not achieve those desired savings.

YOUR SYSTEM IS ONLY AS POWERFUL AS THE WEAKEST LINK.

We provide customized solutions with full operational maintenance (O&M services). We secure your investment via remote monitoring, & on-site monitoring to ensure industry-leading uptime and overall production.

WHY CHOOSE US?

| 5KW RESIDENTIAL SYSTEM | | |
|------------------------|-------------|---------------|
| | COMPETITOR | SUNTHESIS |
| 5KW INVERTER | YES | YES |
| 5KW PANELS | YES | YES |
| 5KWH BATTERY | YES | YES |
| DAILY PRODUCTION | 15 KWH | 20 KWH |
| MONTHLY PRODUCTION | 427 KWH | 570 KWH |
| ANNUAL PRODUCTION | 4 610 KWH | 6 150 KWH |
| LIFETIME PRODUCTION | 71 000 KWH | 145 000 KWH |
| PROJECTED LIFESPAN | 10 YEARS | 25 YEARS |
| ANNUAL SAVINGS | R8 200.00 | R11 100.00 |
| LIFETIME SAVINGS | R456 883.00 | R2 362 000.00 |

DIRECT YOUR ENERGY INTO SAVINGS

500% BETTER SAVINGS

We're highly skilled, knowledgeable and thorough professionals who build power systems that last the test of time. Our in-house engineering team will custom design your system based on real world logging data. We constantly innovate better ways to achieve more production than our competition.

We know that customers want better, cleaner, cheaper electricity, and we believe that you don't have to compromise to attain that vision.

Sunthesis Software and highest installation standards will ensure the greatest Return on Investment is achieved every time at the best price.