



ENERGY SOLUTIONS

Tailored solutions backed by over 50 years of experience.

LET'S TALK

ENERGY!

The South African government's recent response to South Africa's energy crisis has made it clear that sustainable energy will play a significant role in transforming the energy sector. By providing a framework that aims to cut red tape and reduce regulatory requirements for renewable projects, the government has empowered the private sector to become part of the energy solution.

THE CHALLENGE

Loadshedding has severely impacted businesses with devastating financial consequences as a result of down time, not to mention the detrimental effect of unplanned outages and power surges on company assets.

While new legislation will make it easier for small and medium enterprises (SMEs) and larger organisations to benefit from various sustainable energy solutions, and even generate and sell excess energy to the national grid, renewable energy is not a one size fits all solution. The initial infrastructure investment is expensive and unscrupulous dealers often 'over-sell' over-priced systems that do not work in tandem, match the company's requirements or comply with complex regulations.

OUR SOLUTION

In addition to its energy consumption solutions, which reduce production costs by providing insight into and effectively managing our clients' consumption, Tsebo Energy Solutions offers tailored, scalable and credible installation solutions.

We partner with our clients to find the most cost-effective solution be it solar, grid-tied, off-grid, battery storage for back-up, waste to energy plants or hybrid systems that work together for maximum efficiency.

Our solutions include:

- **Embedded private generators:** Privately owned, on-site generators for small and medium businesses, or micro grids for commercial and industrial concerns.
- **Energy generation:** Our highly experienced team has the expertise and knowledge to build private renewable energy generation plants for the benefit of clients in rural and urban areas.
- **Hybrid systems:** A combination of two or more technologies to ensure continuous energy supply.
- **Battery storage systems:** Store excess energy for later use.
- **Energy management:** This includes energy measurement and verification, conservation and demand-side management.

Tsebo is constantly exploring ways to add-value and cut costs for our clients and we hope to include financing options in the near future.

Our Process

Tsebo makes use of a Smart Metering Consumption Intelligence System to accurately interpret a company's energy values, quantities and relevant metrics, before converting this information into actionable items towards sustainable and responsible energy use. We follow a consultation plan to ensure that we tailor an energy solution that matches the exact need of your business. This includes:

- Consultation with the client, followed by desktop feasibility which will be informed by, for example, the client's current baseline, energy costs and cost projections
- A sustainable plan, which can be implemented in phases (if necessary)
- Project development
- Project management
- Operation and maintenance

THE BENEFITS

- ✓ Compliance assured solutions and equipment that is aligned with IEC (International Electro Commission) requirements
- ✓ Consultation to ensure bespoke solutions based on a client's specific needs
- ✓ Turnkey solution from development through to management
- ✓ Operation and maintenance for cost savings and efficiency
- ✓ Remote monitoring through smart, app-based systems
- ✓ Requisite skills to maintain and drive peak performance

WHY TSEBO?

With over 50 years of experience, Tsebo's highly qualified and experienced Electrical Energy Engineers and teams possess the intellectual property and expertise to deliver peace-of-mind solutions to various clients and sectors.



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