



CASE STUDY

ENISCOPE®

Location: South Africa Sector: Manufacturing Facility Size: 9,231m²

Client: Gina Corporate Clothing

Best.Energy South Africa reduces energy costs for Gina Corporate Clothing through targeted interventions



Like many energy-intensive manufacturing businesses, Gina Corporate Clothing faced rising costs, increasing kVA demand levies, and a growing need for a more sustainable and predictable energy model.

They partnered with Energy Cost Savers (now Best.Energy South Africa) for support in managing their municipal bills by identifying areas of waste, proposing practical interventions, and guiding improvements that directly impact operating costs.

Results: Total energy savings achieved



R433,910,52
in the past 6 months



40%
reduction in kWh over 8 years



Gina Corporate Clothing wanted to take measurable action to reduce expenses and support its commitment to sustainability in the face of several challenges:

Challenges:



High energy usage

An average total energy consumption of well over 700,000 kWh per year was recorded.



Rising costs:

Electricity bills were high and climbing in tandem with increased production and national energy price trends.



Substantial levies:

They faced substantial kVA demand levies, the cost of which often exceeded R600,000 per year.



Incorrect billing:

Due to incorrect billing and other factors, they were not seeing the financial benefit/ savings after installing solar panels.

Solution:

To tackle these challenges, Gina Corporate Clothing collaborated with Best.Energy South Africa to install Eniscope energy monitoring on-site.



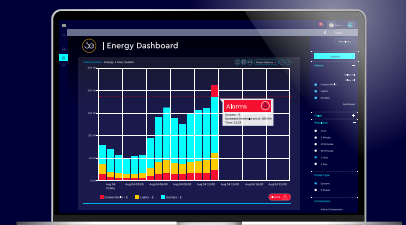
5 Eniscope hubs

Providing accurate, granular, real-time energy data.



7 Air Sense

Monitoring occupancy, light, temperature, and humidity.



42 Circuits

Monitored across the Gina Corporate Clothing facility.

Through a combination of metering and Eniscope monitoring, data analysis, energy optimisation, and cost-saving interventions (particularly LED lighting, HVAC controls, and solar panels), Gina Corporate Clothing has made significant strides in reducing its monthly energy consumption and spend.

It was identified that their buildings had antiquated lighting, and their consumption could be dramatically

reduced by switching to LED lights. However, after spending substantial funds on solar panels (which were not achieving the expected results), the client was reluctant to spend more on new lighting. So, Best.Energy South Africa proposed a 5-year LED rent-to-own model, allowing them to see savings from day one. These LED lights cost approximately one-third of the cost of the solar system, yet have rendered more than double the savings.

Impact:

Thanks to real-time energy data, two key opportunities were identified, and interventions were made by Gina Corporate Clothing, both of which delivered long-term impact:



1. Solar installation

Faced with escalating costs, the company was determined to take measurable action that would not only reduce expenses but also support its commitment to operational sustainability.



2. LED Lighting Retrofit

Old lighting across the factory floor, offices, and warehouse was replaced with energy-efficient LED lighting, contributing to reductions in kVA demand, kWh consumption, and electricity and maintenance costs.

Over 8 years, the company achieved a **40%+ reduction in kWh consumption and kVA demand**, even though operations expanded in some areas and load shedding took place. These improvements, driven by ongoing monitoring and targeted infrastructure upgrades, have not only cut monthly energy bills but also helped stabilise consumption trends and limit exposure to volatile utility tariffs.

40%
reduction

The Bottom Line:

Best.Energy South Africa helped Gina Corporate Clothing move from data to action. By identifying the right areas to intervene, supporting the implementation of change, and monitoring the results, the client unlocked long-term energy savings and cost control, without disruption to operations.

This case study is a strong example of what's possible when energy waste is not just identified but actively addressed, setting a benchmark in energy efficiency for the South African manufacturing sector. It demonstrates the powerful impact of how energy management can lead to simple, strategic, sustainability interventions and how visibility of consumption patterns is critical, especially when external factors like load shedding or generator usage distort the bigger picture.