

**IBC**  
SOLAR

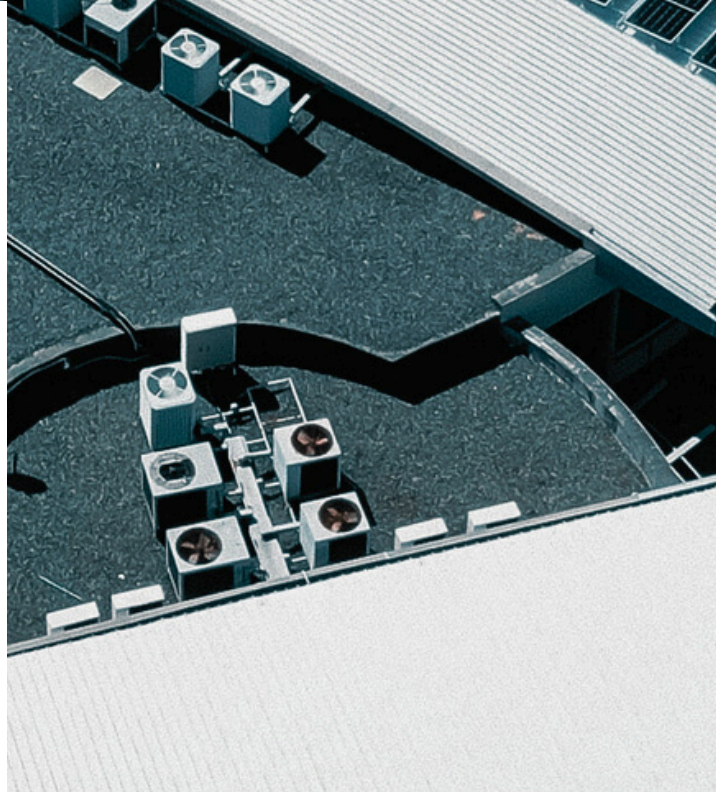
Have sun!



GRØNN

# Success Story

Powering Profitability Securely



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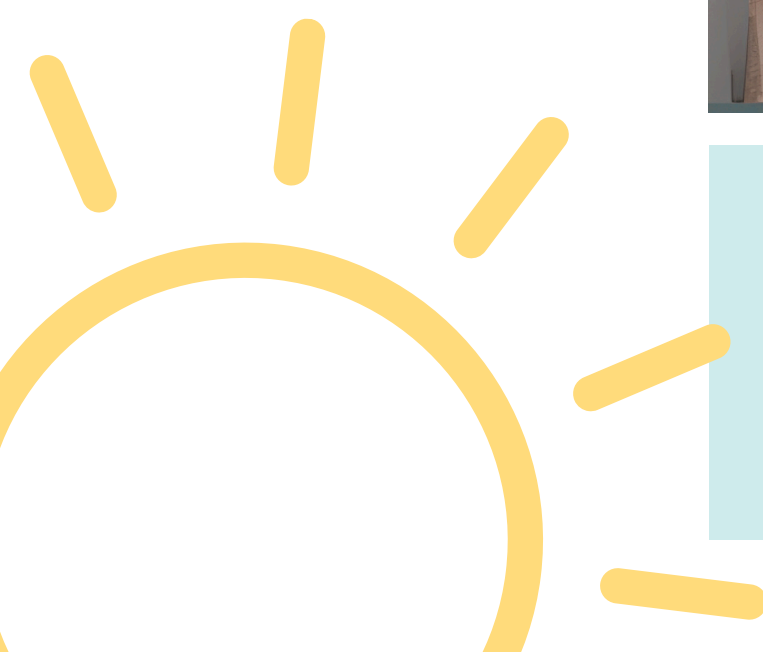
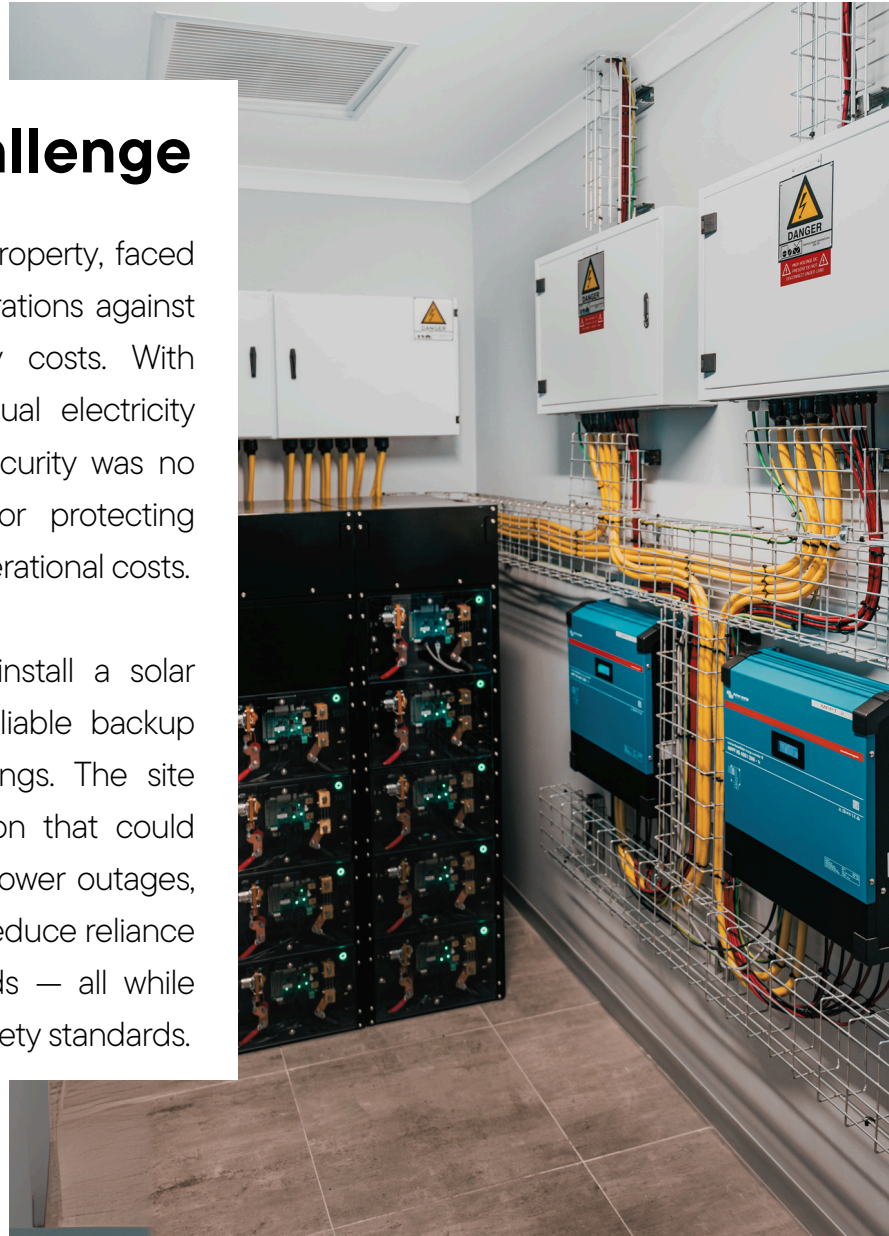
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# Secure Power Banking

## Background & Challenge

Sanbel, a South African commercial property, faced increasing pressure to secure its operations against grid instability and rising electricity costs. With ongoing load-shedding and an annual electricity tariff increase of over 12%, energy security was no longer optional — it was critical for protecting business continuity and controlling operational costs.

The challenge was to design and install a solar energy system that could deliver reliable backup power while maximising energy savings. The site required a smart, future-proof solution that could provide seamless switchover during power outages, optimise solar self-consumption, and reduce reliance on the grid during peak tariff periods — all while meeting strict local compliance and safety standards.



By partnering with IBC Solar South Africa, Sanbel achieved cost savings and energy security — proving how smart solar and storage solutions can turn complex energy challenges into long-term business value.

# Project Background

Sanbel, a commercial property in South Africa, required a reliable backup power solution to mitigate the risks of load-shedding and rising electricity costs. With increasing energy price volatility and grid instability, the client needed a system that could ensure uninterrupted operations while optimising energy consumption and reducing reliance on the national grid.

IBC Solar South Africa designed and delivered a customised solar and battery storage solution, tailored to meet Sanbel's operational needs. The system not only provides secure backup power but also enables smart energy management for long-term savings and resilience.

**95.12kWp**

Total PV Array Capacity

**90kW**

Maximum AC Output  
Power of Inverter System

**128.7kWh**

Battery Storage Capacity



## About IBC SOLAR

IBC SOLAR is a leading full-service provider of energy solutions and services in the field of photovoltaics and storage. The company offers complete systems and covers the entire product range from planning to the turnkey handover of photovoltaic systems. The range includes energy solutions for private homes, trade and industry as well as solar parks. IBC SOLAR is a project developer and general contractor in these areas, and plans, implements and markets large-scale SOLAR projects worldwide. IBC SOLAR works closely with a network of Premium Partners who ensure competent and high-quality installation of the systems worldwide. IBC SOLAR was founded in 1982 in Bad Staffelstein by Udo Möhrstedt and is now a pioneer in the energy revolution in over 30 countries.