

Case Study: ACA Threads Phase I



Through the adoption of energy generation measures, ACA Threads has reduced their monthly Eskom energy consumption by 30%.

Challenge ACA Threads (African Consolidated Agencies) is a Cape Town based sewing thread manufacturer and supplier with over 60 years of experience in the South African sewing thread industry. The energy required to meet their operational demands is significant, but the company desired to operate more responsibly by reducing their carbon footprint and associated costs.

Solution To implement a number of measures to improve the sustainability of their business, starting with the installation of roof top panel arrays to subsidise their electricity usage.

Benefits This investment has resulted in annual savings of R 500,000.00 in electricity costs alone. In doing so, ACA Threads has achieved a people and green centred bottom-line, and has joined the growing number of green manufacturers who are driving South Africa's status as the fastest growing green economy hub in the world.

Project Specifications

Location	Brackenfell, Cape Town
Size	131.04 kWp
Modules	Canadian Solar 260W
Inverter	ABB TRIO-27.6-TL
Electricity Generation	210 253 kWh per annum
CO² Savings	207 tonnes per annum
Completed	November 2015



Case Study: ACA Threads Phase 2



Following the success of phase 1, ACA Threads moves to phase 2 with the addition of a further 196 kWp.

With the rising cost of electricity, and having reaped the benefits of phase 1, whereby a 131kWp solar generation system was installed, ACA Threads moves onto phase 2 to further lessen their dependence on municipal power.

The installation of an additional 196kWp of solar modules, promises to increase their annual savings 2 fold, whilst meeting their continuous efforts to operate more responsibly and better improve the sustainability of their business.

ACA Threads is a prime example of how energy and water savings supports business growth, and is setting the precedence for other businesses to follow. With plans to continue their endeavours, ACA Threads has the kind of leadership and vision that South Africa can be proud of.

Project Specifications

Location	Brackenfell, Cape Town
Size	196.68 kWp
Modules	Canadian Solar 330W
Inverter	Huawei 36KTL
Electricity Generation	315 573 kWh per annum
CO² Savings	312 tonnes per annum
Completed	February 2018

To adopt energy efficient measures that contribute to a greener environment whilst benefiting your business, visit our website: www.soventix.co.za

