

Who we are

Our company Solek was founded in 1988 and has a proven track record of experience and professional service in South Africa. The company has crossed borders and now extends into Africa. Two decades of practical experience, collaboration with local importers and exporters, and internal knowledge defines our capacity. Research and innovation is the heartbeat of the company. Our focus revolves around doing what we do best:

Consult	Provide key knowledge to meet our client demands
Supply & Design	Design systems, source and supply products & technology
Partner	Collaborate with key partners to extend our reach

What we do

Over the past few years, Solek has expanded its services and now operates in the following departments:

Systems and Sales	Engineering, procurement and construction of grid-tie and off-grid solutions in residential, industrial, commercial and agricultural sectors.
Energy Efficiency	Providing sustainable energy efficiency services such as load management, process optimisation, renewable energy replacement technologies, energy audits and energy management systems.
Project Development	Project development services for the development of utility-scale projects (solar & bio-energy), ensuring viable project development in terms of legislation approvals, off-take and supply agreements, and project management.

Resource network

Partnering and long-term relations are the business approach we value. Ongoing partnerships with well-established solar companies provide added resources which the company can tap into. Broad expertise and man-power are available if needed. The aim is to support and collaborate rather than compete.

Experience

Branches	Western Cape office houses the core engineering team, supported by a branch in Loeriesfontein, Northern Cape.
eta Awards	Received a Special Award sponsored by Eskom and the Department of Energy in 2011 for the Kleinmond EPC.
PV off-grid systems	Two-decade client base: hundreds of clients in Northern Cape and elsewhere give evidence of the company's success.
Mitchell's Plain grid-tie design & EPC	Design, supply and installation of a 64kWp grid-tie solar PV system to offset a portion of the electricity consumption of a Provincial Hospital in Mitchells Plain, Western Cape, in 2012.
Energy efficiency & audits	Conduct energy audits to identify energy saving opportunities and develop energy efficiency projects under Eskom IDM subsidy programmes. Recent projects: retail stores, office parks, wine cellars and estates (e.g. Val de Vie Winelands)

Kleinmond EPC	Design, consulting and procurement of solar PV and solar water heaters for over 400 low-cost houses in Kleinmond.
Utility-scale solar projects	Co-development of three solar farms, totalling 150 MW, covering more than 300 hectares of farm land for the REIPP Tender Scheme.
Sawmill feasibility study	Solek conducted a feasibility study in 2013 for the expansion of existing operations at a sawmill. The scope of the study was restricted to kilns, boilers and co-generation.
Engen Namibia	Three (3) kWp grid-tie PV system for Engen Namibia to provide base load power for evaporative air-cooling units.
2 MW Biogas project	As co-owners, developed a 2 MW biogas project at one of the biggest cattle feedlots in South Africa, KwaZulu-Natal. This includes CDM registration.
Angola off-grid project	Consultants and sub-contractors to supply, install and train solar installations on 120 schools & clinics.
Angola village systems	Consulted and supplied solar cells, battery and inverter systems to small households in Angola.
Land identification & screening	Land identification and site screening of more than 20 solar farms for and on behalf of international clients.
Lesotho & Mozambique	System design and supplying of solar water pumping solutions for clients in Mozambique and Lesotho.

Expertise

The heart of the company beats with many years' experience. Engineering knowledge including master-degrees and related qualifications extend management arms. Industrial engineering together with our sought-after technical and electrical know-how boost efficient operations help manage extending projects and deal with sourcing and supply issues.

Supplier support

Solek focuses on long-term customer value. Only quality products are supplied backed by major suppliers for support and warranties, locally and abroad. This provides a knowledge base and strong competitive advantage which differentiate Solek from other solar companies. Products supplied by Solek have proven to last 15 years and more, thus enduring harsh African conditions.

Consulting

Owing to our experience, the company engages in risk assessment, quality assurance and project due diligences. Typically, tenders can be evaluated to ensure the right products are supplied, system design is correct and margins acceptable based on industry models. The company has extensive experience in hybrid and off-grid systems design, providing optimal performance at minimal cost.

Innovation & Research

The company has a track record of innovative ideas. An entrepreneurial spirit boosts performance to deliver inventions and solutions beyond expectations. Research and development reinforce our long-

term focus and Solek collaborates with Stellenbosch University as well as Cape Peninsula University of Technology. Products have been patented and released to the market.

Value-added service

In addition to consulting and technology supply, services such as project management, installation and post-installation services are provided. To improve energy efficiency services, we registered at Eskom as an ESCO in order to conduct energy audits. A lifecycle approach ensures longevity in the solutions we implement and a single sub-contractor to outsource various functions to.



Legacy

As part of our business model we believe industry has to touch lives. The vision of the company ensures that resources are committed beyond monetary value to affect society. Projects have been initiated to serve the less privileged through inventive ways and thousands have been influenced already. The company dedicates its knowledge and expertise to effectively reach this goal.
