



e-LEK Energy

Success Story

Laerskool Eikestad

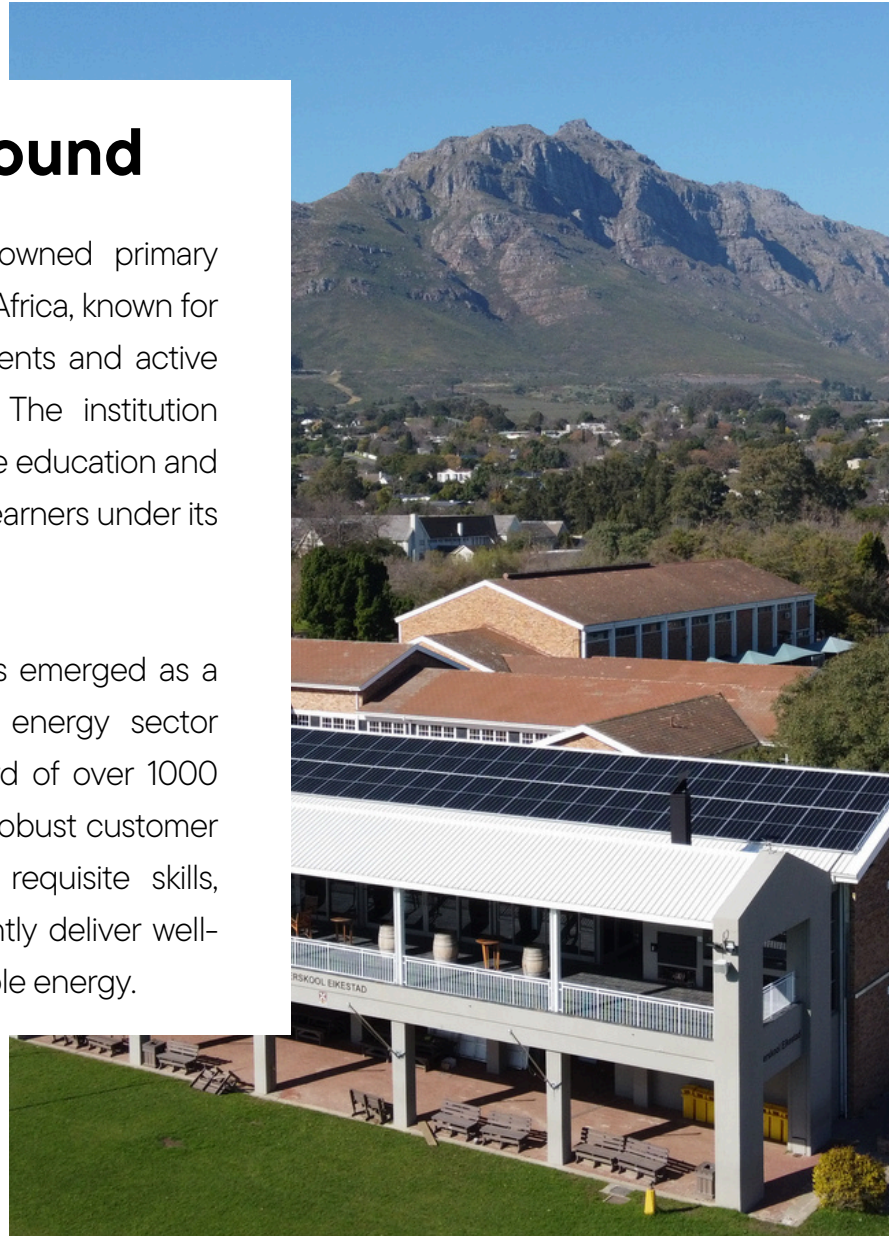
e-LEK Energy

Empowering Education

Company Background

Laerskool Eikestad stands as a renowned primary school located in Stellenbosch, South Africa, known for its rich history of academic achievements and active engagement within the community. The institution maintains its pivotal role in nurturing the education and character development of the young learners under its guidance.

Established in 2015, e-LEK Energy has emerged as a prominent player in the renewable energy sector within the country. With a track record of over 1000 successful projects nationwide and a robust customer base, e-LEK Energy possesses the requisite skills, expertise, and knowledge to consistently deliver well-crafted solutions in the field of renewable energy.



"Laerskool Eikestad is excited about the partnership with e-LEK Energy, which has designed a tailored electricity solution for the school. From the beginning, they have handled the quotation and later the installation very professionally. Their work is very neat, and their after-sales service is excellent." - Deputy Headmaster

Project Background

In light of the escalating load shedding schedules, Laerskool Eikestad embarked on a journey to counteract the adverse effects it had on their daily educational activities. They sought the expertise of e-LEK Energy to identify the best solution for their predicament. e-LEK Energy proceeded to install the following equipment:

58

555W (32.19kWp)
Longi Solar PV Panels



1

25kW SMA Sunny Tri
Power X Solar Inverter



3

15kVA (45kVA) Victron
Multiplus II Battery Inverters



8

14.3kWh (104kWh Usable)
SolarMD Li Ion Battery

The installed system at the school enables it to maintain its regular operations and ensures a reliable power source even during load shedding periods. This includes the popular "Snoepie," which ensures that students' minds stay sharp and their stomachs are full, irrespective of load shedding.

In addition, the school is projected to generate approximately 50MWh of electricity per annum through this system, reducing its dependency on the municipal power supply. The installation was carried out during the school holiday period to minimize disruptions.

A dedicated team from e-LEK Energy monitors the system's performance and operation on a daily basis.

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.