



Solar Cooling Training



Strathmore University

Energy Research Centre



Course Overview



Solar powered cooling provides safe and reliable storage of agricultural goods and food products for remote rural areas with no access to the national electricity grid. Mobile training units and our 2kWp solar powered cold room offers professional education with practical, hands-on course lectures.

Course Objectives



The participants will be able to:

- Design and size photovoltaic (PV) powered refrigerators and cold rooms;
- Select the appropriate components and equipment; and
- Configure system control, monitoring and data logging.

Key Benefits



On-site practicals and e-learning support services.



Focus Areas and Course Content

- Cooling loads and food preservation;
- Refrigeration cycle and refrigerants;
- Heat transfer and thermodynamics;
- Solar powered cooling;
- Battery and charge controllers;
- Latent heat energy storage; and
- Cold rooms, milk cooling and block ice production.

Delivery

Three days of classroom sessions and ten days of e-learning support. Hands-on practical exercises with mobile training units and a 2kWp solar powered cold room.

Who Should Attend

Energy system operators, electrical engineers, installers, project developers, vocational instructors, PV vendors, O&M technicians. Basic PV knowledge (T1/T2) recommended.

Cost: KES 30,000/=

Discount Rates for Alumni 10%

Payment Details:

1. Acc Name: Strathmore University

Bank: Citi Bank

Account No: 0101386108

Branch: Nairobi via Banker's cheque addressed to: Strathmore University

2. Acc Name: Strathmore University

Bank: Standard Chartered Bank

Account No: 0102044844000 (KES)

Branch: Nairobi

Bank Swift Code: SCBLKENX

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