

Solar Water Pumping Course



Course Overview

The course focuses on planning, design and installation of solar powered water pumping and irrigation systems. SERC provides the latest technical equipment and pump controllers, smart remote management and data monitoring.

The proliferation of solar water pumping will not only play an important role in the fight against global warming but will also provide an affordable and reliable alternative to rising fuel prices, power outages and also enhance food security

Course Objectives

- Practical hands-on exercises with our mobile PV training kits
- Design and sizing of stand-alone Solar and Hybrid (Solar and Grid power) pumping systems
- Comprehensive knowledge of Solar PV, hydrology and Pumping technologies
- Installation, maintenance and troubleshooting on our outdoor Solar pumping System.

Focus Areas

- Electrical Energy Basics
- Solar PV Module fundamentals and System fundamentals
- Fluid dynamics
- Pump Mechanics
- Hydrology
- Drilling process
- Pump Installation
- Irrigation



Strathmore University

Energy Research Centre



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Key Benefits

On site practicals, E-learning support services, renowned faculty with experience in the energy sector and capacity in software system sizing.

Programme Delivery

Five day (Monday- Friday) training course conducted at Strathmore Energy Research Center. Participants will receive a completion certificate from SERC after the training.

Who Should Attend?

Professionals with a technical/engineering background and holding positions such as;

- Maintenance Engineers
- Water Engineers
- Field Engineers from the Humanitarian sector
- Production Managers
- Technical staff
- Independent Consultants

How to Apply

Visit our website on <https://www.strathmore.edu/serc/programmes/> and apply online.

Course Training Cost

Kes 50,000

Payment Details

Acc Name: Strathmore University

Bank: Citi Bank

Account No: 0101386108

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

Acc Name: Strathmore University

Bank: Standard Chartered Bank

Account No: 0102044844000 (KES)

Branch: Nairobi

Bank Swift Code: SCBLKENX

For more information on the program contact us on

spvtraining@strathmore.edu
or call +254 (0) 703 034900



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