



GENERAL INFORMATION

www.soltrain.co.za

With funding from

 Austrian Development Cooperation



SOLTRAIN is funded by the Austrian Development Agency (ADA) and the OPEC Fund for International Development (OFID). The project is implemented by AEE – Institute for Sustainable Technologies

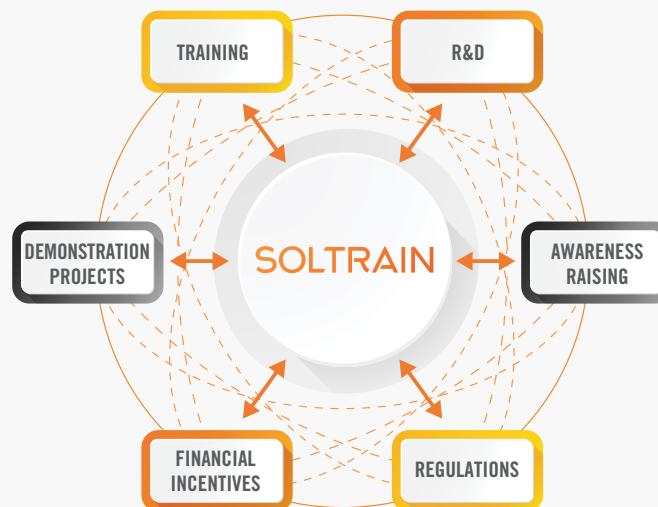
THE PROJECT

SOLTRAIN – the Southern African Solar Thermal Training and Demonstration Initiative - is a regional initiative on capacity building and the demonstration of solar thermal systems in the SADC region. The initiative started in 2009 and is currently in its 4th phase. The initiative is implemented in cooperation with partnering countries - South Africa, Namibia, Lesotho, Botswana, Zimbabwe and Mozambique.

SOLTRAIN supports the partnering countries by offsetting their fossil fuel-based heat demand with sustainable solar thermal alternatives across different sectors.

The **focus areas** of SOLTRAIN include; awareness raising on the potential of solar thermal technologies across the different sectors; building competence of solar thermal technologies within the countries; creating solar thermal technology platforms; and the demonstration of the solar thermal technologies.

This is achieved through the strategies below:



ACTIVITIES

The focus areas and strategies of SOLTRAIN is achieved through the following activities:

- Solar thermal campaigns
- Monitoring and facilitating of the SOLTRAIN Roadmap Implementation Plans
- Policy workshops for national and local governments
- Exhibition at trade shows with solar thermal companies
- Information and support workshops for private and public sectors
- Training courses and workshops aimed at policy makers, financial institutions, trainers, installers and students.
- Technical training on solar thermal systems and quality inspection of systems for local solar thermal installers
- Financial support for solar thermal demonstration systems
- Technical assistance for local partners and installers
- Student bursaries

The SOLTRAIN training courses for local installers, have also been catered to include students, artisans, policy makers, financial institution, government departments and the private sector.

ACHIEVEMENTS TO DATE

SOLTRAIN phases I, II and III have been successfully carried out from 2009 to 2019, with phase IV of the project running until 31 December 2022. **Some of the main successes of the project across the 6 partnering countries thus far are:**

- More than 3 000 participants trained in 110 training courses.
- More than 320 solar thermal systems installed across the residential, commercial and industrial sectors.
- Total collector area of 4 621 m² (3 235 kWth) installed.
- A reduction of 1 222 ton of CO² emissions per annum from the six countries
- Drafting of the solar thermal visions for 2030 presented as Solar Thermal Technology Roadmaps (STRMs), available as a policy support tool to advise policy makers on the implementation of solar thermal technologies within the partnering countries
- The development of training equipment for training courses provided to the local vocational training centres and universities. This includes 10 solar trailers and a solar collector testing facility.

DEMONSTRATION SYSTEMS

SOLTRAIN has co-funded more than **320 solar thermal systems** to date across the various partnering countries. This includes the rollout of domestic thermosiphon systems and large-scale pumped systems ranging from 2 – 600 m² in size. These systems are for applications across the residential, commercial and industrial sectors.

These co-funded demonstration systems serve to demonstrate the applications of solar thermal technologies in new areas within the SADC region.

Installations that are eligible for co-funding, include both the **private and public sectors** and range from home owners to small- and medium enterprises, hospitals, old-age homes, student hostels, hotels, lodges, restaurants as well as industrial applications.

For more information on the project, events, demonstration systems visit the SOLTRAIN website at: www.soltrain.org.za

PARTNERS & CONTACTS



AEE-Institute for Sustainable Technologies

Country: Austria
Contact person: Werner Weiss
Tel: +43 03112 5886 117
E-mail: w.weiss@aee.at



Namibia Energy Institute

Country: Namibia
Contact person: Helvi Ileka
Tel: +26 461 207 2551
E-mail: hileka@nust.na



Botswana University

Country: Botswana
Contact person: Dr. Ditiro Setlhaolo
Tel: +267 355-4351
E-mail: setlhaolo@ub.ac.bw



National University of Science & Technology

Country: Zimbabwe
Contact person: Samson Mhlanga
Tel: +26 3 292 28242
E-mail: samson.mhlanga@nust.ac.zw



Bethel Business & Community Development Centre

Country: Lesotho
Contact person: Ivan Yaholnitsky
Tel: +266 58 742991
E-mail: ivan.yaholnitsky@gmail.com



Empresa Nacional de Parques de Ciência e Tecnologias E.P.

Country: Mozambique
Contact person: Daniel Baloi
Tel: +258 84 390 6658
E-mail: dbaloi100@gmail.com



South African National Energy Development Institute

Country: South Africa
Contact person: Dr. Karen Surrridge
Tel: +21 11 038 4300
E-mail: karenst@senedi.org.za



Centre for Renewable & Sustainable Energy Studies

Country: South Africa
Contact person: Karin Kritzingner
Tel: +27 21 808 4069
E-mail: crses@sun.ac.za



SADC Centre for Renewable Energy and Energy Efficiency

Country: Namibia
Contact person: Kudakwashe Ndhlukula
Tel: +264 61 300 051
E-mail: kuda.ndhlukula@sacreee.org