



## GENERAL INFORMATION

[www.soltrain.co.za](http://www.soltrain.co.za)

With funding from

 Austrian Development Cooperation



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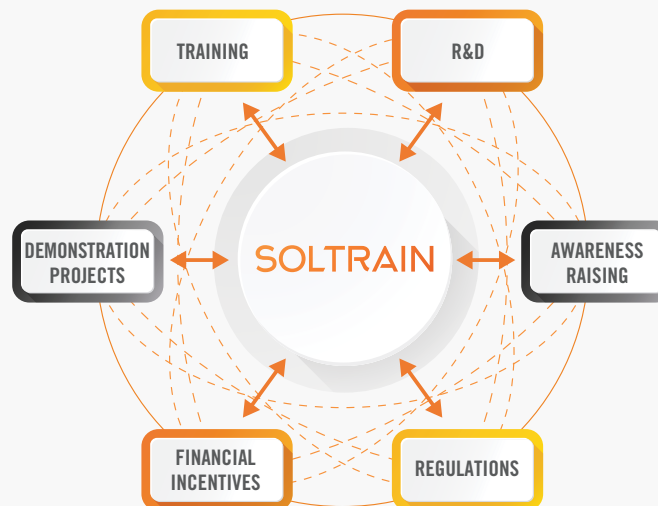
## THE PROJECT

**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 4<sup>th</sup> 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 m<sup>2</sup> (3 235 kW<sup>th</sup>) installed.
- A reduction of 1 222 ton of CO<sup>2</sup> 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 m<sup>2</sup> 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](http://www.soltrain.org.za)

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