



PV Installer Assistant

Upskilling youth for a solar future

GREEN Solar Academy draws on over 14 years' experience in solar and youth education to offer the first youth solar training program of its kind. The aim is to train the workforce needed to successfully implement a just energy transition in South Africa by empowering individuals with the knowledge and skills they need to succeed in the growing field of solar energy.

Why a PV Installer Assistant program?

The solar sector demands specialised technical skills, particularly in solar PV installation, maintenance, and related technologies. Finding individuals with both technical and practical experience is challenging, especially those with an electrical background.

The PV Installer Assistant program aims to bridge this skills gap by providing young people holding N4 to N6 electrical qualifications with technical upskilling, and hands-on experience in PV installation.

This program also contributes to addressing the severe youth unemployment crisis in South Africa, where 66.5% of 15-to-24-year-olds are jobless.



Detailed blended-learning process



Hands-on practical training

About GREEN Solar Academy

The GREEN Solar Academy PTY Ltd. is an independent training provider. We have been training solar professionals in South Africa since 2012 and operate 14 academies, 5 in and 9 outside of South Africa.

All 14 Academies have classrooms for theoretical training and fully-equipped workshops with up to 3 training roofs for practical installation training.

We have trained close to 10 000 participants and

pride ourselves on having the largest network of installers in Africa.

Furthermore, we have implemented several training projects for TVET colleges, universities and municipalities as well as organisations like giz, ADRA, SAPVIA, bsw, Siemens Stiftung, dena, Sibanye-Stillwater and many more.

Accreditation:



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About the program

This is a 12-month upskilling program that consists of three phases totalling 2 533 teaching units. Phase 1 consists of an 8-week PV & life skills training program. In phase 2 the candidates will embark on a 10-month industry-related internship. And finally, phase 3 is where the candidates are assessed on their learnings during phase 1 and 2.

Phase 1 - PV & Life skills training

- Basics of electricity relevant to photovoltaics
- Components, functions and types of PV systems
- PV installation and module mounting
- Basic system design & PV Installation and module mounting
- Working at heights
- How to detect, address and document technical problems
- Admin, Sales & Marketing, Health & Safety
- Customer Service & Work-readiness
- Conflict resolution, negotiation and mediation
- Goal & Vision setting & Leadership training

320 teaching units

Phase 2 - Industry-related Internship

- Real-work environments: Internship companies provide access to real projects
- Mentoring and support: guidance and support during the internship from the host company and GREEN Solar Academy team.

2,133 teaching units

Phase 3 - Recap and Final Assessment/Exam

80 teaching units

Accreditation

All training content used in the course is based on DGS and SAIEE accredited GREEN Solar Academy courses.

Qualification

At the end of the program the participants will be qualified as PV Installer Assistants and be able to do the following:

- PV Installation or module mounting
- Technical Support/O&M
- Basic system design
- Admin, Sales & Marketing



"Personally this programme helped me so much. It got me away from troubles and instabilities at home. When I came here, I felt loved and supported – this has become my second family. Technically it has helped me a lot too. I never knew about the solar industry - now it is so exciting! All the new developments in the industry have given me the drive to learn even more."

Inam Mhlakaza, PV Installer Assistant Top Achiever 2024

Interested in the PV Installer Assistant? Contact us!

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