



PV and Training in South Africa



Naim Rassool, Director SARETEC
Vivian Blümel, DGS e.V. and maxx|solar academy

- Founded by maxx-solar & energie GmbH & Co. KG and DGS Thuringia
- 9 academies in 6 African countries
- Practical and hands-on training approach



maxx | solar academy

Premier PV training in Africa



Joint installations



Hands-on training



Role plays



Group work



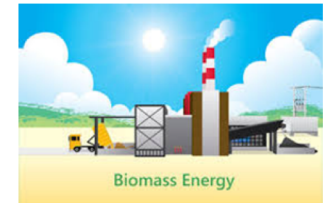
LeXsolar experiments



Training of trainer programme

SARETEC

South African Renewable Energy Technology Centre



SARETEC

South African Renewable Energy Technology Centre



PV Market in South Africa



Utility Scale PV

Installed = 2297MW (2018)

Projection = 7967MW (2030)

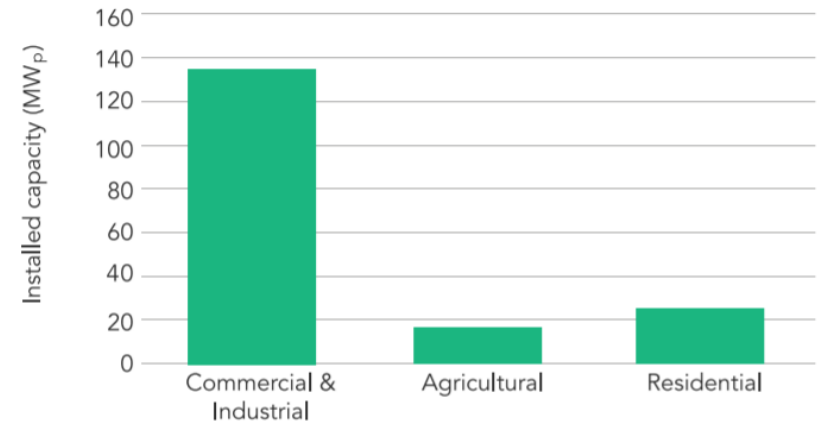
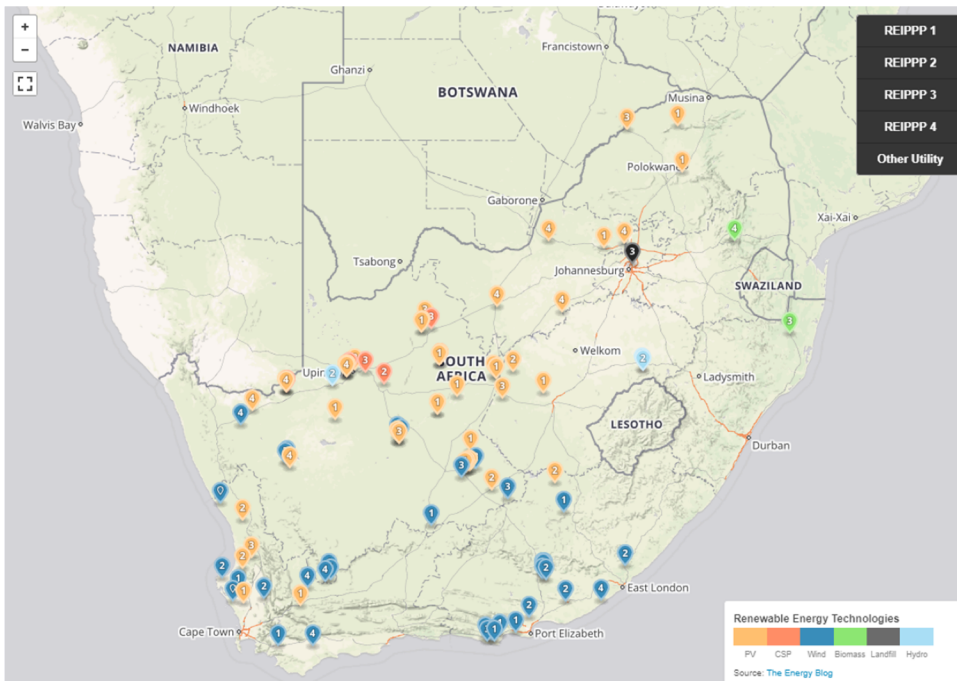


Figure 6: Distribution of solar PV installations across end-user segments in South Africa

Source: PQRS (2017a)

Rooftop PV

Panels sold = 430MW (2018)

Projection = 7500MW (2035)

South African Solar PV Service Technician Qualification



Solar PV Stand-alone Sys. Mounter

- 84 Credits
- Approx 7 months education cycle
- Mounts pre-designed PV systems according to instructions from either a PV Installer or PV Designer

Solar PV Stand-alone Installer

- 218 Credits
- Approx 2 years education cycle
- Liaises with clients, obtains and analyses data, designs a PV system, installs, commissions and tests a PV system

Solar PV Stand-Alone Ser. Techn.

- 245 Credits
- Approx 2 years education cycle
- Service and maintenance technician at a stand-alone installation, which would include domestic roof-top installations

Solar PV Farm Technician

- 229 Credits
- Approx 2 years education cycle
- Service and maintenance technician at a Solar PV Farm

Solar PV Service Technician

- 344 Credits
- Approx 2 years education cycle
- Work place modules including repairs on systems

South African Solar PV Quality Assurance Intervention



Comprehensive Installation
Documentation issued by a SAPVIA
registered Solar PV Rooftop installer



Contact

maxx | solar academy

Vivian Blümel, M. Sc.

Office Weimar

Rießnerstraße 12b

99427 Weimar

Tel.: +49 (0) 3643 – 21 10 26

Tel.: +27 (0) 21 – 825 9713

Email: academy@maxx-energy.co.za

www.maxx-academy.org

www.facebook.com/maxxsolar

SARETEC

Naim Rassool, M. Eng., MBA

Sacks Circle, Bellville

Cape Town, 7130

South Africa

Tel.: +27 (0) 21 959 4321

Fax.: +27 (0) 21 959 4300

Email: training@saretec.org.za

www.saretec.org.za

www.facebook.com/saretec