

Technology best practices, ongoing activities in the region and linkages with the CTCN

Solar PV technology

Presentation to the CTCN Consortium Partners and Network
Members, Accra (Ghana)

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Content outline

1. Solar PV – best practices and ongoing activities
2. CTCN's Technology Road Maps



CSIR solar PV power plant
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Examples of best practices/projects



**Jasper Solar
Energy Project**
(96 MW
station
powering up to
800 000 homes

Sishen solar PV plant (327 km of solar panels)

Location: Dibeng, Northern Cape (South Africa).

Peak capacity: 94.3 MWp.

Nominal capacity: 74 MW.

Technology: Photovoltaic solar with horizontal tracking.

Start-up: 2014.

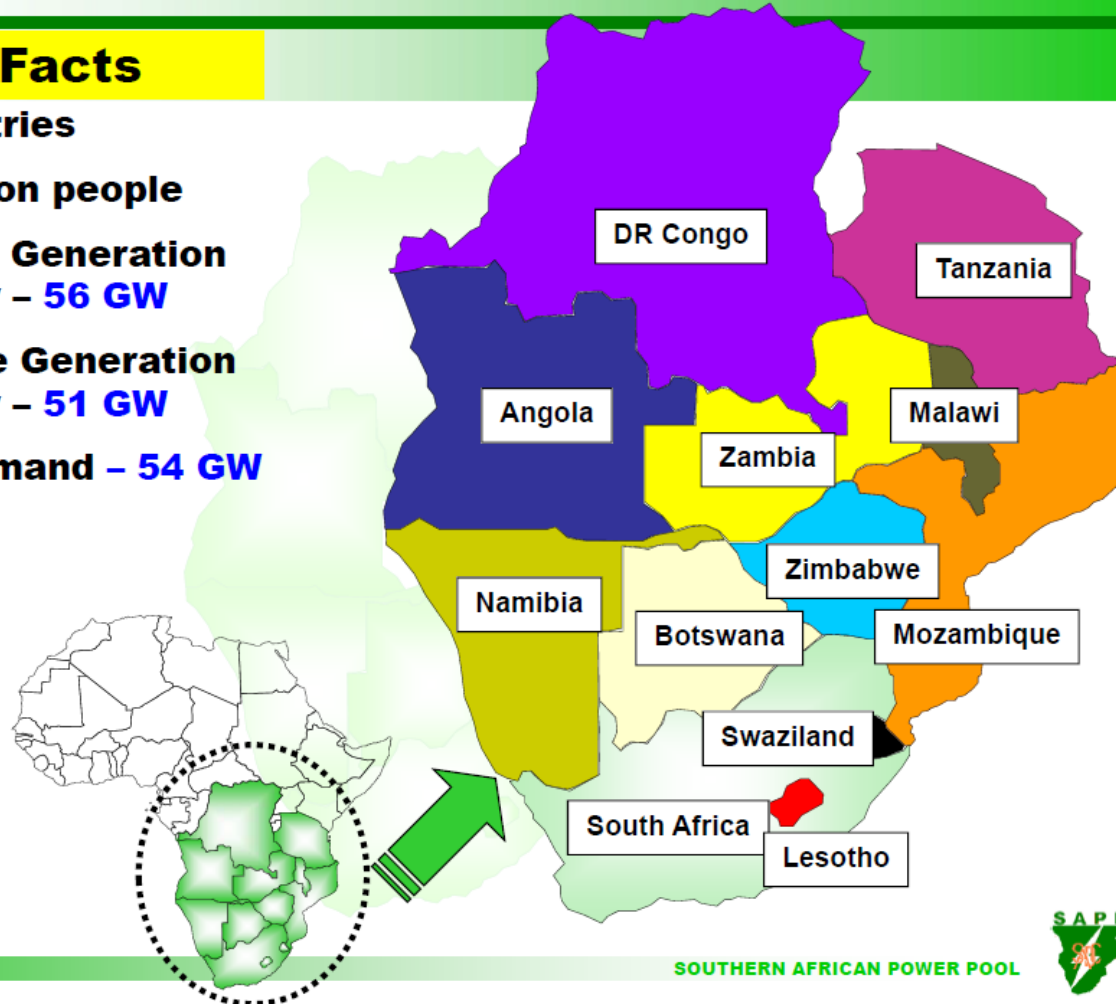
Owners: ACCIONA Energy (54.9%), Royal Bafokeng Holdings (25.1%),
Soul City (10%), Dibeng Community Solar Energy Trust (10%).

Ongoing activities in the region

INTRODUCTION TO THE SAPP

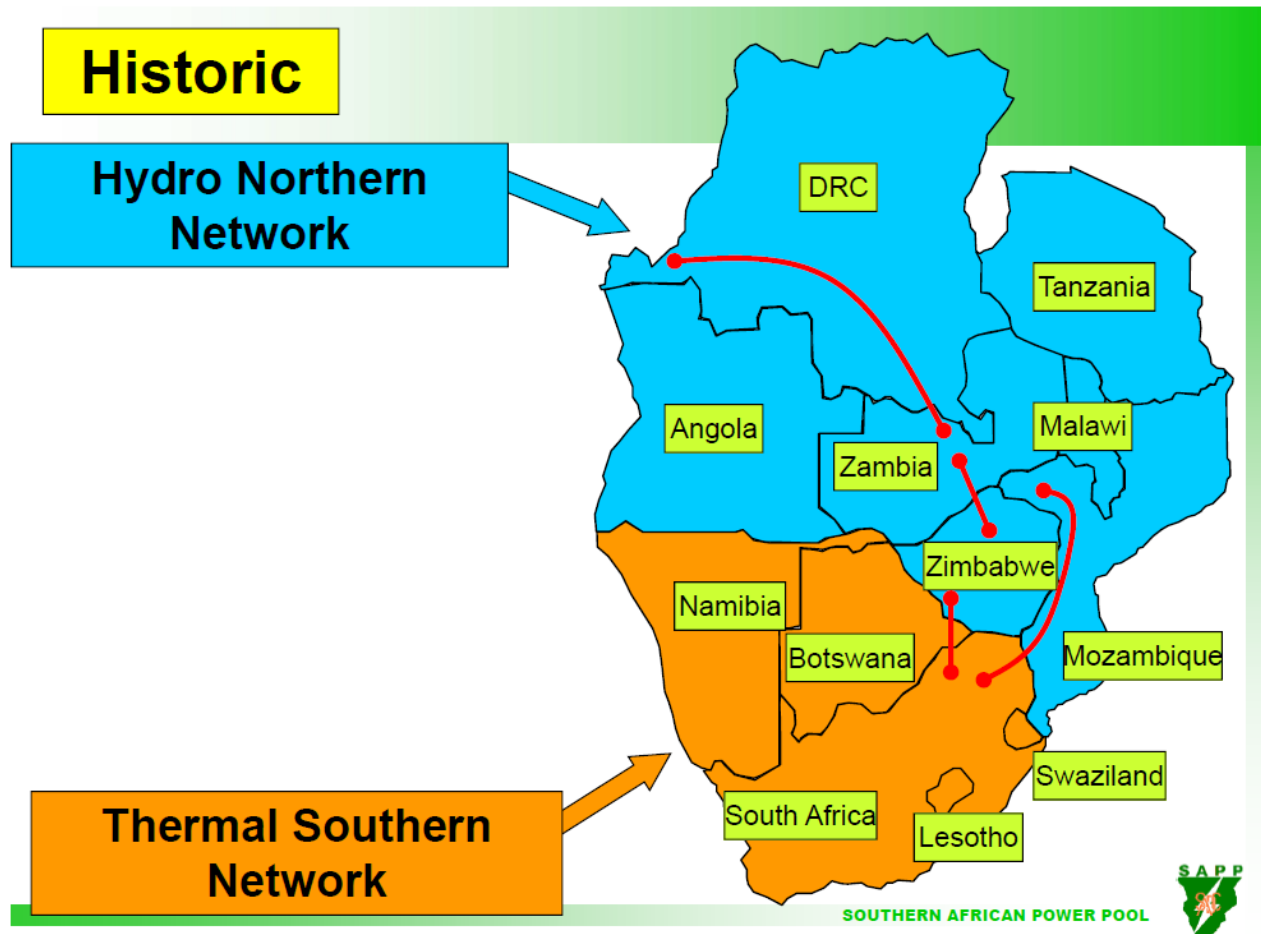
Key Facts

- ❑ **12 Countries**
- ❑ **280 Million people**
- ❑ **Installed Generation Capacity – 56 GW**
- ❑ **Available Generation Capacity – 51 GW**
- ❑ **Peak Demand – 54 GW**



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Ongoing activities in the region



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Linkages to the CTCN

- Technology Road Map
 - NB: The CTCN is looking for:
 - Summary for policy makers
 - Market analysis
 - List of stakeholders consulted
 - Action plan
 - PV modules testing and standards
 - Solar pumping for agriculture
 - Policies for grid connections
 - Institutional capacity augmentation and HCD needs



Case study: Malawi

- Case study: Malawi
 - Major challenges and opportunities
- Key outcomes
 - Stakeholder engagements (NCST, DoEA, NGOs, etc.)
 - Communication
 - Commitment and ownership by various stakeholders
 - Activities for implementation of the NDC
 - Draft TRM



Thank you

