

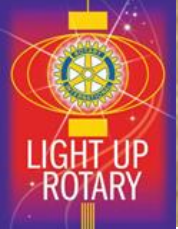
Enlitening through Solar Power - ElSol

A cooperation between Rotary clubs in D2260 and Polokwane, South Africa

Henry Kjell Johansen



**District 2260
Climate Group**



Electricity - a prerequisite for economic and community development

Humanitarian organizations:

“Improve education and reduce poverty by providing electricity to people”

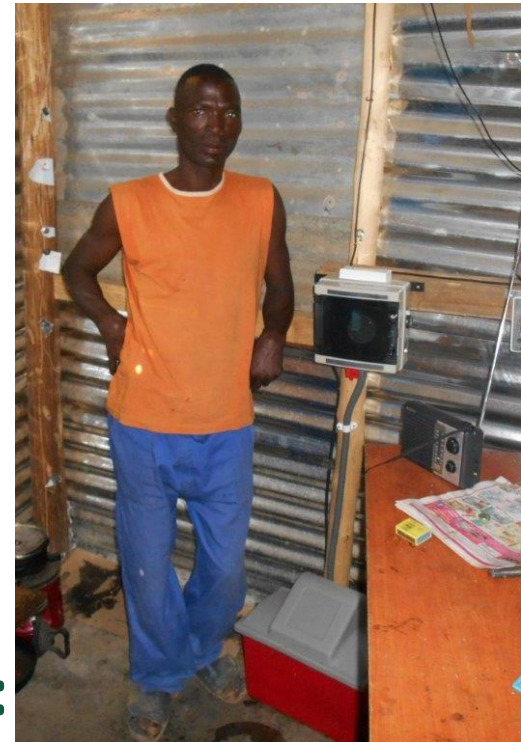
- Lighting for study and work in the evening
- Wireless contact with a larger community
- Improving the quality of life

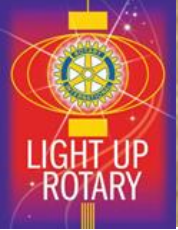
1,3 Billion people live without electricity!

UN Millennium and Rotary Goals include:

- Eradicate extreme poverty and improve education

And Rotary can make a difference!





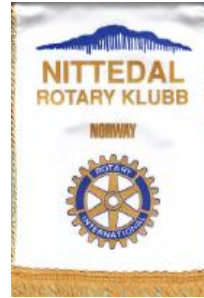
Organized Working Group under Ass Gov

Members from 9 Rotary clubs develop projects proposals to be endorsed by participating clubs

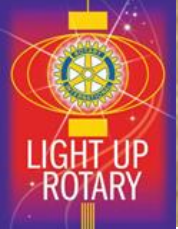
- Engaging clubs through participation in defining projects
- Ensure close contact with the district through the Ass Gov

The Group has carried out two projects in Africa providing electricity from solar panels to:

- 50 households in 2012
- 37 households in 2014



Sørumsand Rotary Klubb



Installing Solar Home Systems (SHS)

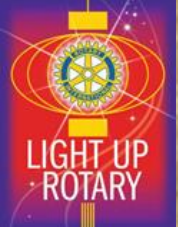
The projects were carried out in the Limpopo Province of South Africa together with RC of Polokwane.

A local firm procured, assembled and installed the 75 Watts SHS units

- Light inside and outside
- Radio, outlets for cell phone and low power units

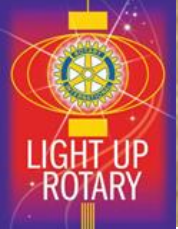
The firm provides 20 years of service for a small monthly fee





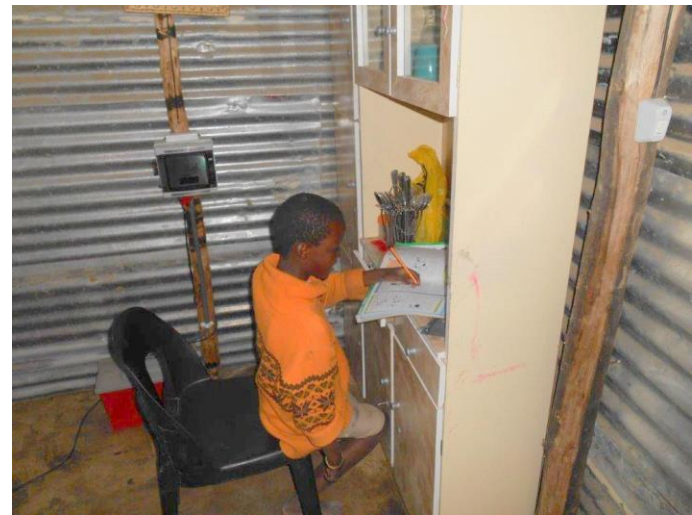
Glimpses from homes receiving SHS

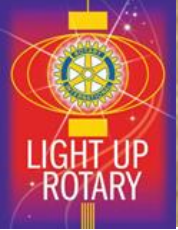




SHS for Households are cost-effective in non-grid areas. Results:

- Families can study and work effectively in the evening
- Reduce health problems caused by kerosene lamps and candles, less risk of fires. Violence reduced
- Radio gives free education and vocational training programs, info about the labor market, and job creation schemes etc
- Radio programs prepares them for the world outside the village
- Cell phones provide telebanking, market info, and business opportunities





Electricity from solar home systems - The road to develop poor rural villages

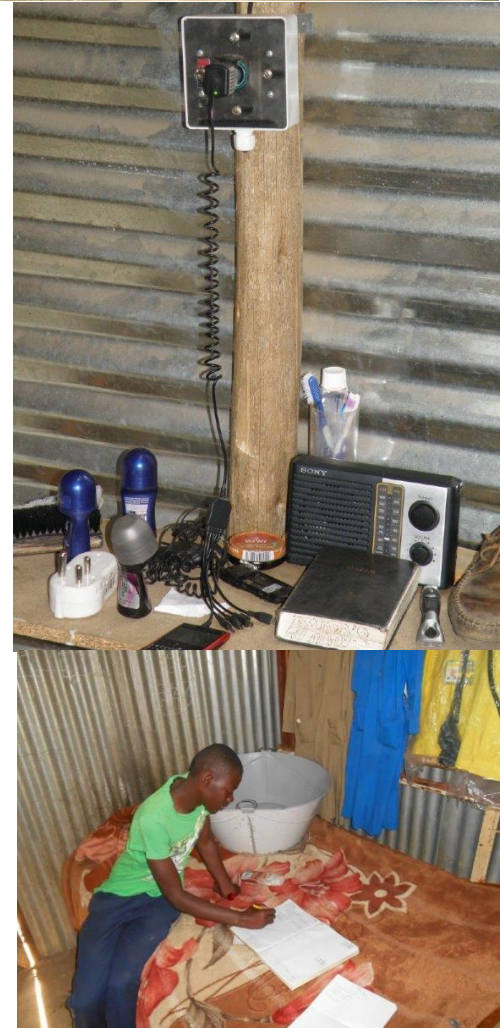
Our TRF GG application for a project providing 75 SHS was rejected because:

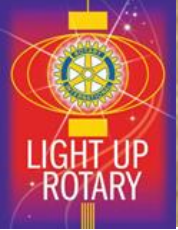
1. it only indirectly addresses basic education and literacy, and it does not actually generate employment or entrepreneurship except for the suppliers.

2. community infrastructure projects are not eligible if they are not part of a larger income generating activity.

However, TRF sais: There is no doubt that this is a worthwhile project.

Result: 38 fewer families got electricity





Signs of appreciation and thanks to districts and clubs for providing funds



37 SHS to Nobody New Stands.
Tribal Officer & RC of Polokwane:
“They enjoy having electric lights, radio and cell phone charging”.
“Children were so pleased to have lights to study at night” ↑

50 SHS to Thatlaganya: ↓
RC of Polokwane;
“Thanks for bringing light to so many people. Very worthwhile and greatly appreciated”



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