



Lightingnigeria projects- Progress report

**Solomon Agbo
8th November, 2011**



About me

- Nationality: Nigeria
- Affiliation
 - Delft University of Technology, Netherlands
 - National Centre for Energy Research and Development, University of Nigeria, Nsukka
 - Lightingnigeria (www.lightingnigeria.com)



Aside research,
- a husband
- a father



The birth of lightingnigeria





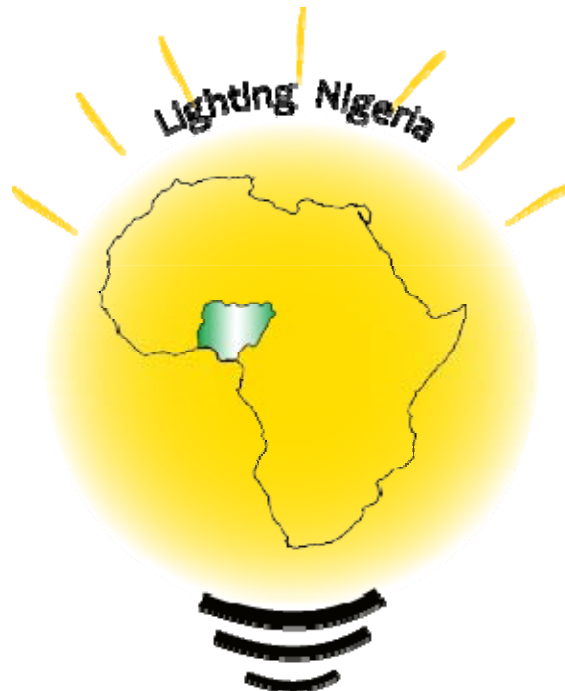
About us (lightingnigeria)

- Group of sustainable energy enthusiastic students of Delft University of Technology, Netherlands
- Motivated to intervene in the deplorable energy situation in Nigeria
 - pilot projects
 - Education and training
 - Research (eg Thesis topics, solar lantern design, etc)
- Main focus on schools and neighbouring communities
- Purely non-governmental and non-profit
- Funded by donations from partners
- All other details (www.lightingnigeria.com)



Lighting Nigeria

Our mission: Lighting Nigeria with renewable electricity







It all comes down to teamwork!

Join us on www.lightingnigeria.com



Folkert 



Bhuvana 




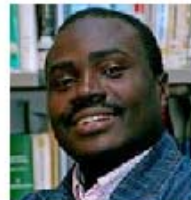
Chigo 




Samuel Onah




Juan 



Solomon 




Metin 




Arun 



Caesar 



Brhamesh 



Faidra 



Giannis 



PHILIPS



UNIVERSITY OF NIGERIA
To restore the dignity of man

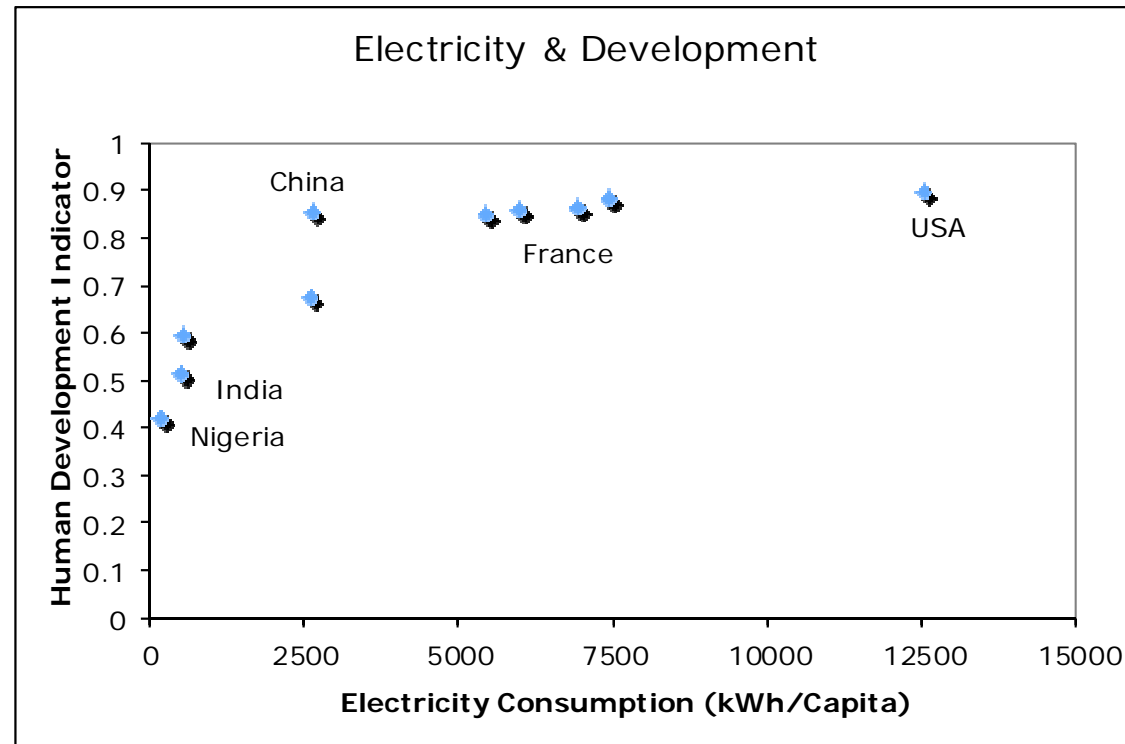
Anton



Fonds



Nigerian Situation



- 150 million Nigerians
- Epileptic access to electricity
- Largest importer of generators
- Kerosene lamp widely used
- Not reliable grid
- 70% survives with < \$2/day
- 30% illiterate
- Life expectancy 47 years



Pilot project: Solar Energy Nsukka

Focus on long term durability in Nsukka



Solar system installation

3.2 kW, >600 users



Train the trainers

2 trainers, >50 trainees



Follow-up actions

- Business model, >60,000 beneficiaries

- **Solar lantern**



Conference

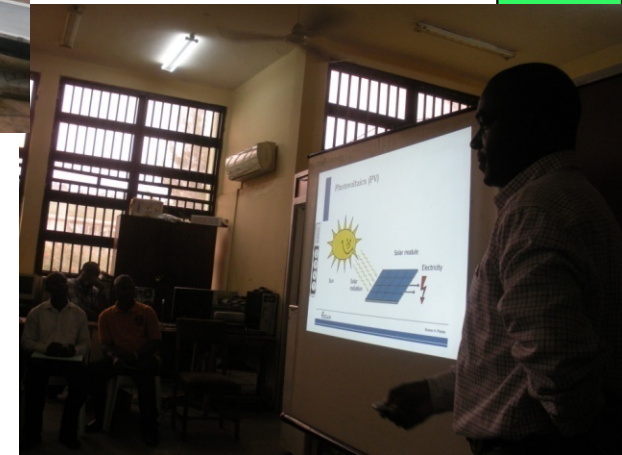
1 event, >400 attendees





Pilot project: Solar Energy Nsukka

Training and awareness creation went smoothly





Pilot project: Solar Energy Nsukka

Solar system installation perfectly done

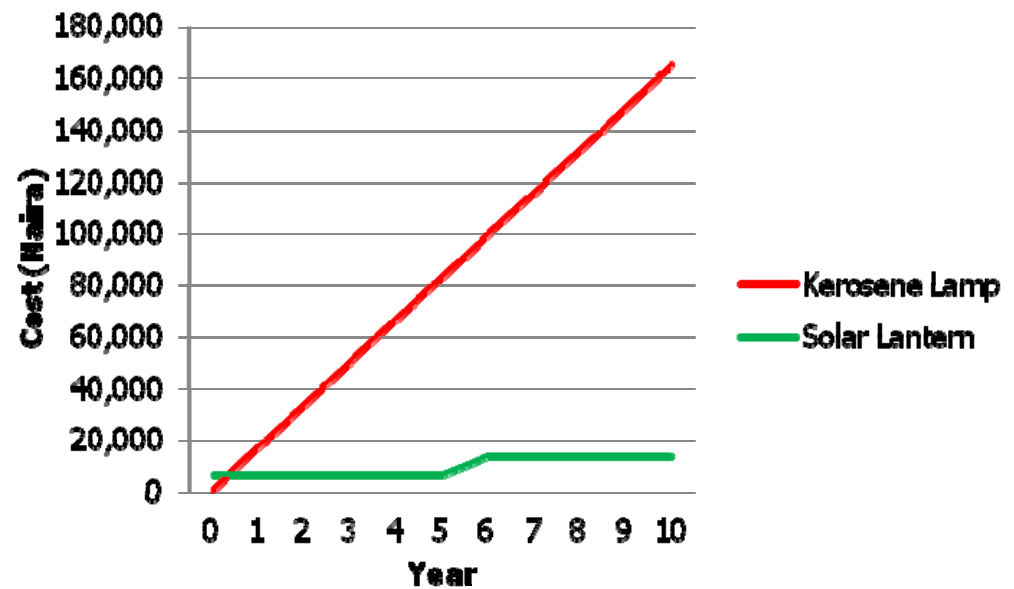






Follow up: Lighting Nigeria

Solar lanterns are cost effective



#	Kerosene	Cost	
1	Kerosene lamp	880	
	Fuel	15 Naira / hr	
1	Solar lantern	6600	



Solar lantern distribution

Testing the market with samples

- Nokero N100 & N200



- Dlight S1





Solar lantern distribution

Removing barriers by investing time

- Understanding local culture and needs
- Training activities
- Raise awareness
- Quality control system
- Mouth to mouth rural marketing



Solar lantern design for Nigerian market

- Cheaper
- More robust
- Hybrid
- Local content

(student-based project)



Be part of the team if you are.....

- Sustainable and renewable Energy enthusiast
- Love to save mother Africa and her children from the plague of poverty and underdevelopment due to poor energy infrastructure
- have ideas that can be put to test

.....go to www.lightingnigeria.com to sign up



Thanks for your attention