

GCP FOUNDATION



AN INTRODUCTION

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Our Mission

“To alleviate poverty
in Africa
by using
renewable energy.”





**SUSTAINABLE
DEVELOPMENT**

GOALS

GCP Foundation is aligned with the SDGs:

- 1 - Alleviate Poverty
- 3 – Good health and well-being
- 4 - Improve quality education
- 5 – Promote Gender Equality
- 7 – Affordable and clean energy
- 13 – Protect the environment



Big continent – Big problems

Estimated **600 million**
people in Africa without
LIGHT



Source: <https://www.lightingafrica.org/>

Big continent – Big problems

The **True Size of Africa**



“The Dark Continent” — The Economist, 2007



Source: NASA satellite photo of Earth at night. Note the difference between Africa and South America, India or USA.
<http://www.ecopowerafrica.com/Electricity%20in%20Africa.html>

GCP Foundation Programmes

1. Replace kerosene lamps with hand-held solar lightbulbs
 - a. Provide lights for school children to study
 - b. Replace kerosene lamps to reduce carbon monoxide poisoning
 - c. Distribute solar lightbulbs to women to promote gender equality
 - d. Provide microfinance for the bulbs to make them accessible to the base of the pyramid
2. Capacity building for local solar engineers
3. Battery recycling and replacement to protect the environment
4. Roof-top solar PV for schools and hospitals



GCP Foundation Programmes - budget

Replace kerosene lamps with hand-held solar lightbulbs

- Varkey Foundation
£260,000 for 10,000 lightbulbs (£26 each)
- Just Shea
£130,000 for 5,000 lightbulbs (£26 each)



Pilot project

Our pilot project has distributed 500 solar lights to women and children in Northern Ghana (Aug. 2014)

<http://gcpsolar.ghanacp.com/>



Pilot project – impact assessment

Lamps distributed:	500
Lives empowered:	2,500
School children reached:	1,500
Money saved per ann.:	US\$62,500
Kerosene avoided per ann.:	30,000 litres



Pilot project – impact assessment

Productive hours created for studying
and working per ann.: 1,095,500

Energy generated from solar per ann.:
370,750 kWhr

CO² mitigated per ann.: 150 kg



Replace kerosene lamps with hand-held solar lightbulbs

Phase 1 - Ghana



Total Population:	25 million
Off-grid:	5,750,000
Estimated number of kerosene lamps:	2,500,000



Replace kerosene lamps with hand-held solar lightbulbs

Phase 2 – other markets

Population

280 million

Nigeria



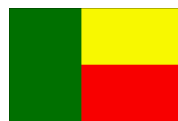
Senegal



Togo



Benin



Estimated number of kerosene lamps –

80 million

Sierra Leone



Kenya



Ivory Coast

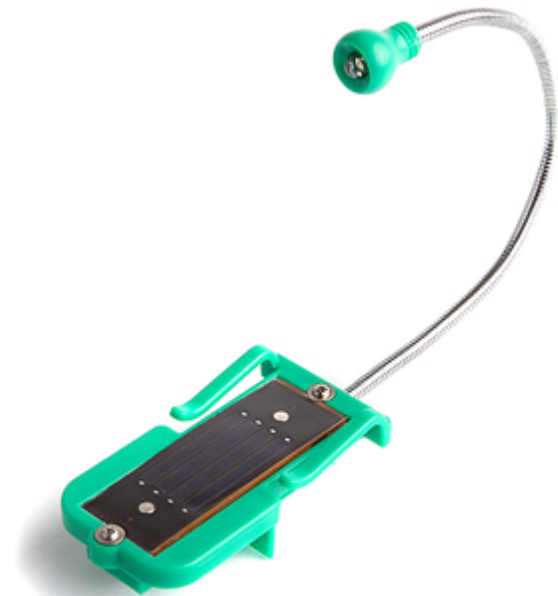


Burkina Faso



GCP Foundation - Trustees

- Jason Rickert
- Joanne Ford
- Richmond Mace
- Sidney Yankson



Trustee

- Visited Ghana to work on waste to energy project in Ghana in 2015.
- Investment banker for over 17 years.
- Responsibilities: chairing the board



Jason Rickert
Chair



Trustee

- Born and raised in South Africa.
- Passionate about teaching and giving back.
- Currently teaching in Singapore.

- Responsibilities: Finance and impact assessment for all programmes



Joanne Ford



Trustee

- Passionate about Africa for many years.
- Worked on pilot project with Sidney in Ghana since 2014.
- Responsibilities: company secretary to the board



Richmond Mace



Trustee

- Founded GCP Foundation.
- Conducted pilot project in Northern Ghana.
- Responsibilities: Day to day management, fundraising, outreach, programme director



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