

# LIGHT over AFRICA

Mali / Uganda / Burkina Faso



Nordic Folkecenter  
for Renewable Energy

Solar Lighting  
in 10,000  
Village Schools

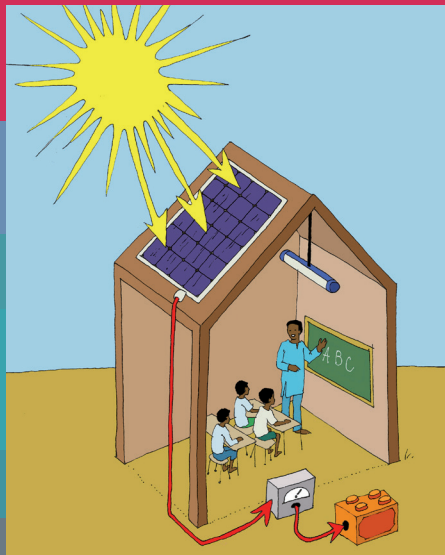
# LIGHT *over* AFRICA

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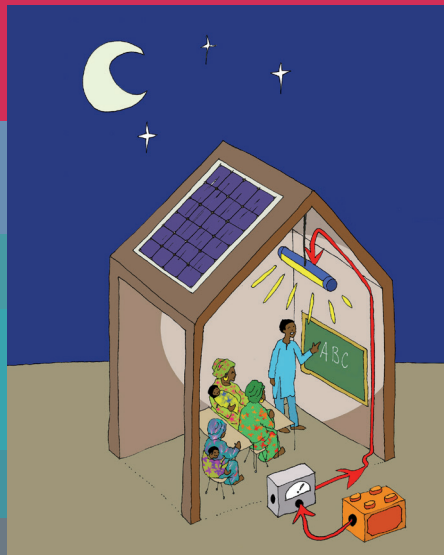
The continent of Africa covers 20% of the total land area of our planet. With over 1 billion inhabitants – accounting for about 15% of the world's total population. And yet, in 13 of 54 African countries, the rate of electrification is 15% or less. Which means that only a minority of the inhabitants – and in the rural areas virtually none – have access to modern energy. With electricity, the dark hours open themselves up to new opportunities.

The experience since 1998, achieved by the Nordic Folkecenter initiative, "Light for African Schools" has resulted in the successful installation of solar lighting in about 300 schools in the three countries of Mali, Uganda and Burkina Faso. It has been documented that each school on average over the year, is being used regularly by 200 inhabitants of each of the villages – women, men and school-aged children.

With solar lighting in 10 000 additional schools, 2 million village inhabitants (10 000 x 200) will receive the tremendous benefits of having access to education and studies. Something that was earlier not achievable.



In the daytime, solar panel generates electricity and charges the battery



In the evening, local people, especially women who work in daytime, can study using solar-powered lamp

• <b>IMPACT:</b>	2 million village inhabitants (10 000 schools x ca. 200 inhabitants) will have the benefits of having access to education
• <b>ESTIMATED COST:</b>	EUR 10 million (EUR 1 000 for each school)
• <b>OWNERSHIP:</b>	Local community must have ownership and responsibility of the operation
• <b>FINANCING:</b>	Foreign aid programs, crowd funding
• <b>ORGANIZATION:</b>	Folkecenter will establish a Village Solar Lighting Committee in each of the three countries with responsibility for education of solar electricians, and follow-up of projects
• <b>EQUIPMENT:</b>	For each school: PV panel, charge controller, battery, 10 LED lamps, and on/off switch
• <b>PURCHASE:</b>	Duration of 3 years for installation in 3 300 schools per year, with 5 work teams in each of the three countries
• <b>INSTALLATION:</b>	Locally available components of high quality standard



Each school has the following equipment for lighting of 2 classrooms:

- 1 x 100 Watt PV panel
- 1 x charge controller
- 1 x 100 Ah sealed battery
- 10 x 10 W LED lighting armatures with special sockets
- 1 x on/off switch in each classroom

*LIGHT over AFRICA - Project by Nordic Folkecenter for Renewable Energy with partner organisations: Mali Folkecenter Nyetaa (Mali), JEEP Folkecenter (Uganda), Association Kologh Naba (Burkina Faso)*





*Education is the first step on the long road to obtain a dignified life and general improvements in the society. With solar light in the village schools in Africa, women, men and children, people of all ages will have the opportunity after a long day's work to attend evening school classes and learn to read and write. Bringing light to schools is part of the benefits of modern technology. This gives hope for a better future.*

#### **LIGHT over AFRICA**

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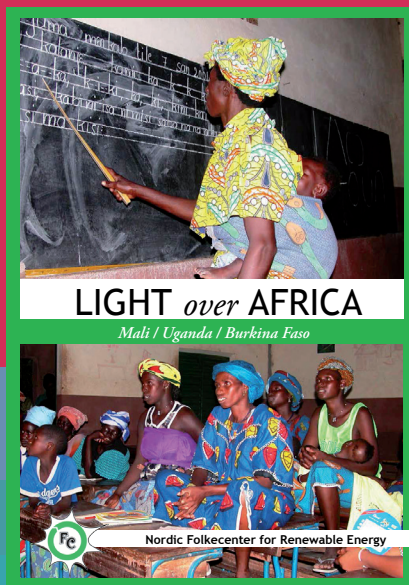
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for Renewable Energy

QR code for more infos  
about the project  
and how to contribute

