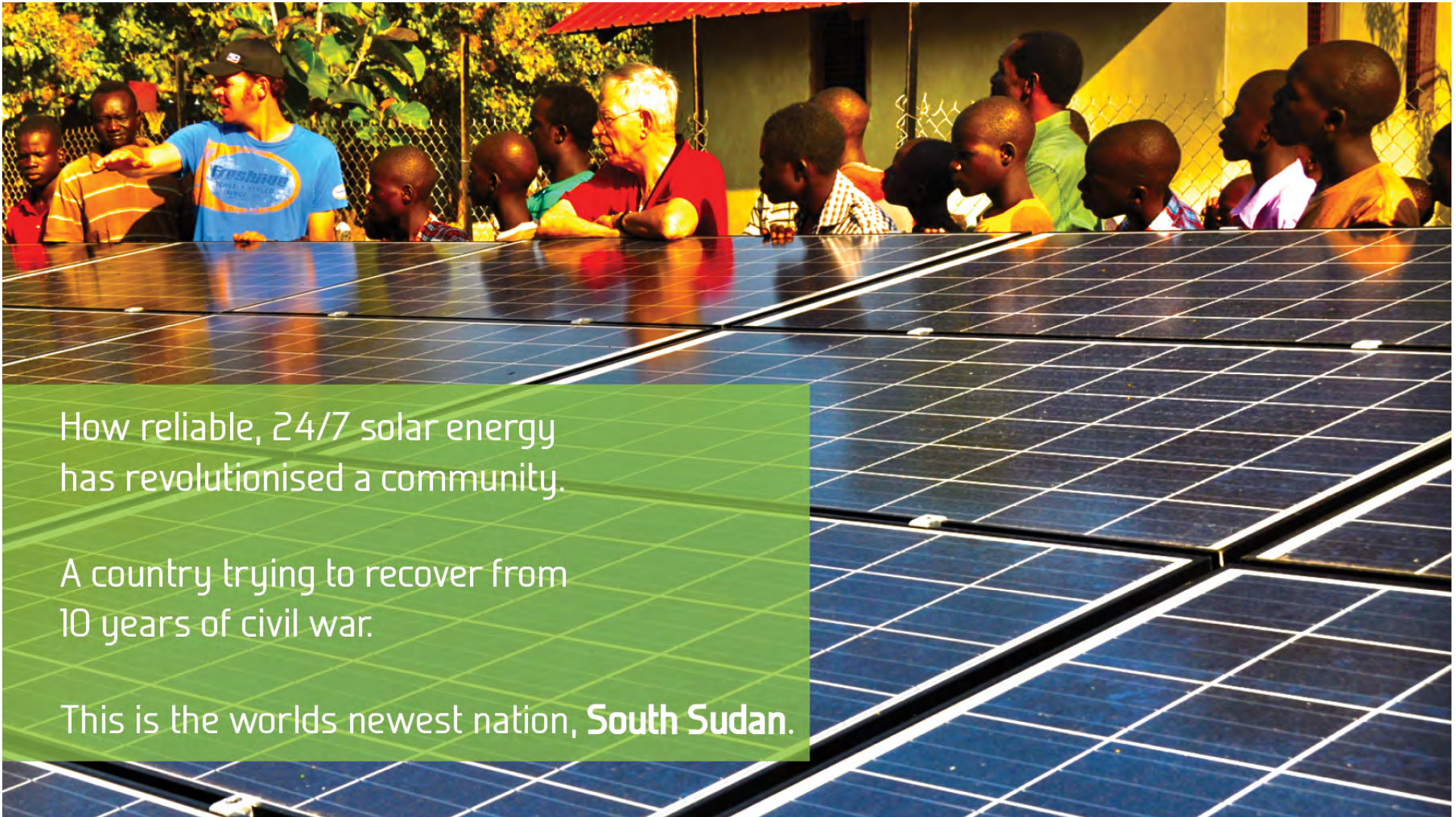


MODE
electrical




Renewable energy,
engineered for you.



How reliable, 24/7 solar energy
has revolutionised a community.

A country trying to recover from
10 years of civil war.

This is the worlds newest nation, **South Sudan.**

- 
- The Problem
 - The Solution
 - The Result**



The Problem

- Sudan ranks 1st on the world's Failed States Index
- 1 in 10 lifetime maternal mortality rate
- 1 in 50 births cause the mother to die
- 1 in 10 infant mortality
- 1 in 5 child mortality





Sudan

Eritrea

South Sudan

Abeche

Al Junaynah

Nyala

Al Fashir

El Daein

Umm Barar

En Nahud

Dilling

Kadugli

El Obeid

Umm Ruwaba

Ad Douem

Omdurman

Rufaa

Rabak

Wad Madani

Kassala

Al Gadarif

Keren

Gondar

Bahri Dar

Mekele

Debre Markos

Nekemte

Atnago

Ambo

Jimma

Machi

Omo National Park

Radom National Park

Reserve de Faune de Zemongo

Wau

Southern National Park

Ez Zeraf Game Reserve

Gambela National Park

Mundiri West

Juba

Yambio

Parc National De Lo Garamba

Lainya

Arqa

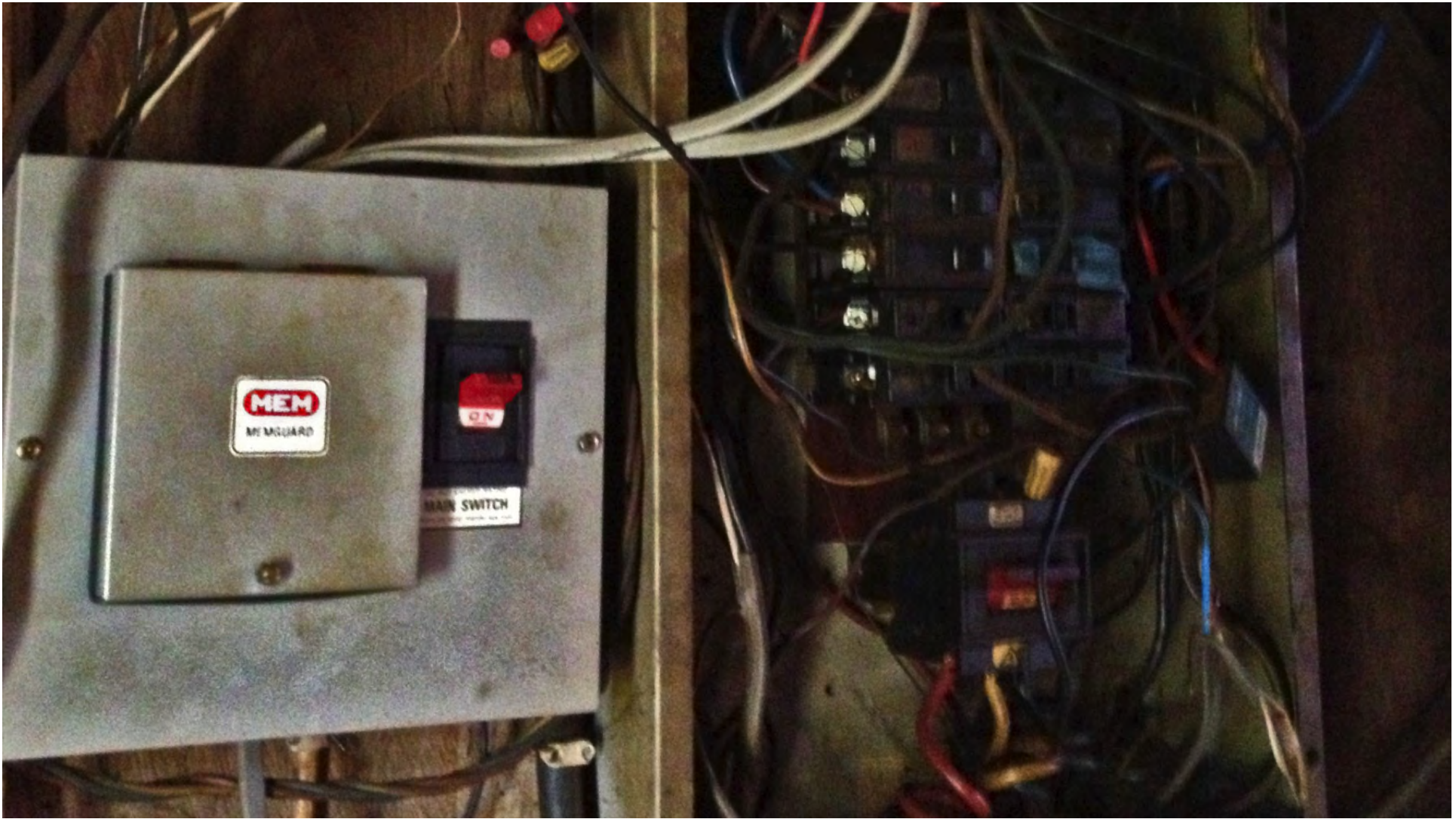
Kitgum

Gulu

Isiro

Lira

Obalang





The Solution



Inverters donated by SMA Germany

2x SI5045 chargers

2x SMC 8000TL inverters







500m of trenching, here we come!







16kWp solar array
2400AH 48v gel battery bank
13kW power delivery
12kW backup generator



Educating the locals to own the system



- 1 in 4 births a death was avoided
- 1 in 4 births a bad outcome was avoided
- First Blood bank in South Sudan
- Ability to deliver oxygen 24/7
- Use of incubators for preterm babies

The Result

Community confidence proven

September 2012 — 14 births

June 2014 — 95 Births



Medical equipment donated from Tasmania







Hope - every life is sacred!

Angelina – our joyful cleaner!





Making the most of independence!



Electrical wholesaler

MODE
electrical



Renewable energy,
engineered for you.