



WE CARE SOLAR

Leadership Team:

*Laura Stachel, MD MPH
Co-Founder and
Executive Director*

*Hal Aronson, PhD
Co-Founder and
Director of Technology*

*Robin Wolaner
Chief Operating Officer*

*Brent Moellenberg
Director of Engineering*

*Christina Briegleb
Director of Programs*

Board Members:

- David Bank, M.S.*
- Karina Garbesi, Ph.D.*
- Gigi Dekko Goldman, M.B.A.*
- Kristiana Raube, MBA*
- Nina Richardson*
- Alan Saldich, M.B.A*
- Spencer Weisbroth J.D.*
- Maame Afon Yelbert-Sai, M.A.*

Selected Awards

2017
Zayed Future Energy Prize Finalist

2016
*National Energy Globe Award,
Ethiopia*

2015
*UN DESA "Powering the Future
We Want" Award*
UBS Optimus Award

2014
Sustainia Award Finalist

2013
Katerva Gender Equality Award
CNN Top 10 Hero, Dr. Laura Stachel

WE CARE SOLAR

The Power to Save Lives

The Problem

Each year, over 303,000 women die from pregnancy and childbirth complications. Most of these deaths occur in Africa and Asia.

Obstetric emergencies require prompt, appropriate, reliable care. Unreliable power and communication in health facilities result in:

- Life-threatening delays in care
- Inadequate lighting for obstetric and surgical procedures
- Underutilization of health facilities

The Solution

We Care Solar designs solar-powered systems to meet essential maternity care needs.

Our We Care Solar Suitcases are designed to be safe, robust and efficient in powering:

- critical obstetric and surgical lighting
- mobile phones
- fetal heart rate monitors and essential medical devices

Our portable suitcase-size system is immediately operational. It can be used as a mobile system or mounted permanently and expanded to power computers and other devices.

We Care Solar Suitcases can make the difference between life and death by:

- Reducing delays in care
- Increasing medical and surgical procedure safety
- Increasing the capacity to care for mothers and newborns





WE CARE SOLAR

Key Impact Data

- 2,000+ Solar Suitcases deployed
- 700,000 mother-infant pairs served
- 5,000 health workers trained
- 6 million hours of medical LED lighting provided
- 30,000 tons of CO₂ averted
- 25 partnerships established

2017 Programs

- Liberia
- Uganda
- Tanzania
- Nepal
- Kenya

Contact

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We Care Solar

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Our Technology

The Solar Suitcase is a high-quality, portable and easy-to-use solar electric system designed for low-resource medical settings. It comes with solar panels, a battery, a charge controller, 12V DC outlets, and the hardware needed for installation. The Solar Suitcase features high-efficiency durable LED lighting for medical procedures, rechargeable LED headlamps, cell-phone charging, and a fetal Doppler with rechargeable batteries. The basic Solar Suitcase has 40 - 80 watt Solar Panels and a 12V DC lithium battery; it can be expanded to support larger panels and batteries in order to provide electricity for laptop computers, portable ultrasound or other devices.

Our Impact

To date, our award-winning Solar Suitcases have brought lighting and essential power to 2,000 health centers in more than 20 developing countries. We have trained more than 5,000 health workers, ensuring safer deliveries for 700,000 mothers and their newborns. Our Solar Suitcases have provided 6 million hours of nighttime medical lighting and replaced candles, kerosene lanterns, and diesel generators, reducing the risk of fire, and averting more than 30,000 tons of CO₂ emissions.

How We Work

Our partnerships with more than 25 leading NGOs and UN Agencies are key to our effectiveness. We collaborate with organizations such as UNICEF, UNFPA, WHO, Jhpiego, AMREF, and Pathfinder International - organizations that use our Solar Suitcases to augment their existing maternal and child health care programs.

Our training programs develop local knowledge and capacity in Solar Suitcase installation, maintenance and usage. Classroom trainings are followed by supervised Solar Suitcase installations utilizing a comprehensive multimedia curriculum.

Where We Work

To date, we have conducted programs with implementation partners in West Africa, East Africa, Nepal and the Philippines. In 2017, we will be concentrating our efforts in Liberia, Uganda, Tanzania, Ethiopia and Nepal.

We Care Solar programs demonstrate the feasibility of providing reliable lighting and electricity to even the most remote health centers in the developing world.