



*Empowered lives.
Resilient nations.*

Solar For Health **Progress Update** (Challenges and Opportunities)

April 2019



Results

- Solar for Health is currently in **8 Countries**, soon will expand to **Chad, Malawi, Liberia, Mozambique, Haiti, Timor Lest, Nepal and Viet Nam.**
- Total Installed capacity=**7.7 mWh,**
- Access to health services more than 20 million beneficiaries
- S4H focuses on installing solar PV systems in health clinics located in the **poorest and most remote** regions of world, ensuring “leave no one behind”.
- UNDP has developed list standardized S4H equipment, established health sector specific solar energy pre-qualified suppliers (LTA) =19

Key Features of the Solar for Health

- Provide 100% power from solar PV system Health Posts, health centers level I-III (plug and play) = 2-20kWp
- Meet 30% of the overall power needs of District, provincial and national hospitals and focus on most critical parts of the hospitals (maternity, surgery, A&E, Lab and Pharmacy) = 20-150kWp
- Supply chain and cold chain is top priority – National and regional Medical stores = 100-600kWp
- Hot water for health posts and health centers,
- Security lights for health posts and health centers.
- Remote monitoring system

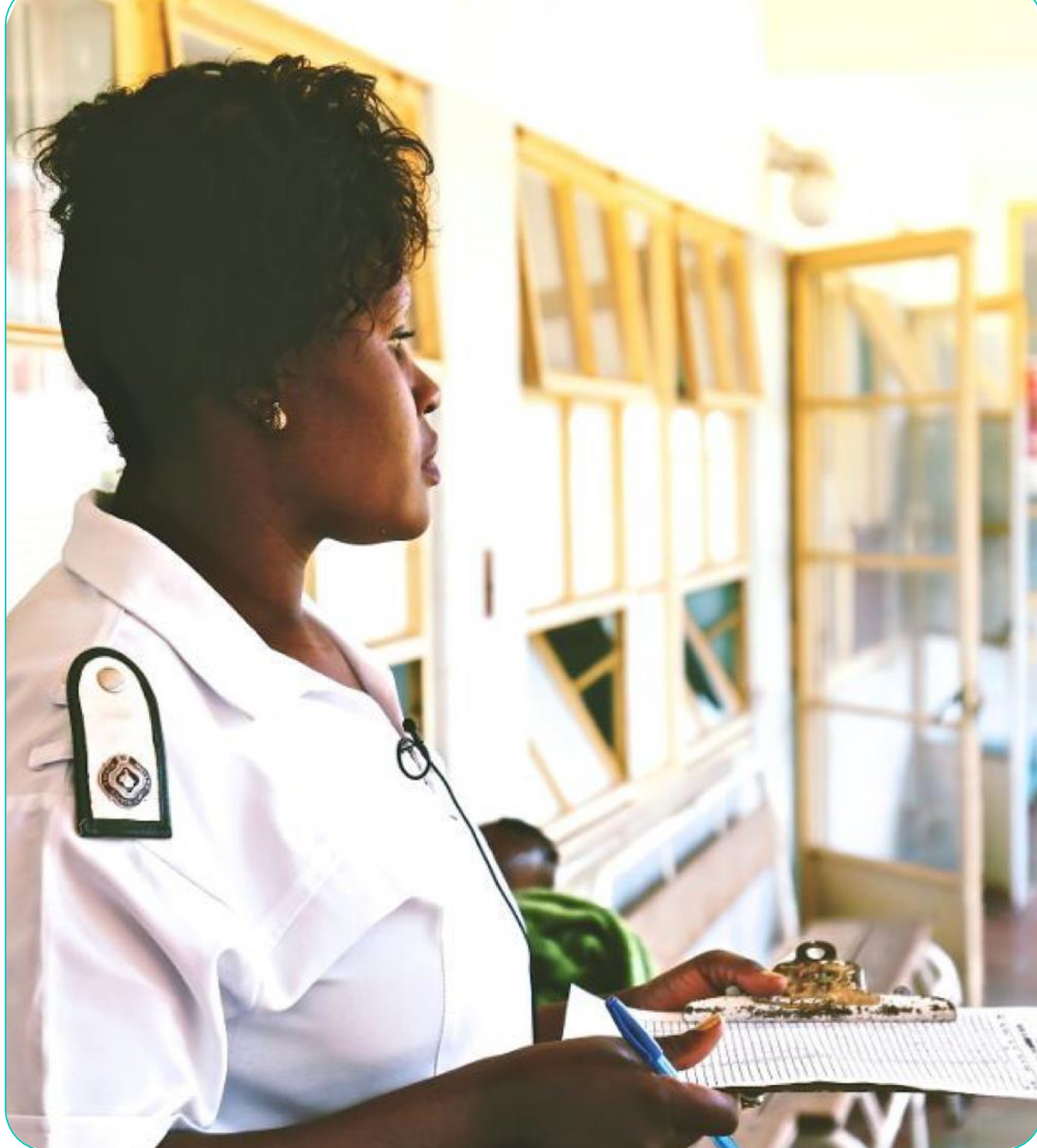
Coming soon !

water purification system and air-quality monitoring health facilities

Challenges

- Health facilities in Africa face severe power shortages and many HF are off-grid
- Low access of essential health services (women, children, PLWD and elderly)
- Lack of sustainable financing model
- Poor coordination
- Low capacity
- Absence of electronic waste management
- Political commitment and policy gap





Opportunities

- Solar energy is clean, cost effective and reliable. Increases access to health services - **save lives.**
- S4H Contributes to **the UHC**
- Transitioning from fossil-based energy to solar energy helps reduce carbon emissions, **save the environment and save cost.**
- **ROI = 3.5 – 6 years**

Next Steps

- Feasibility Study of the S4H financing model (Liberia, Malawi, Namibia, Zambia and Zimbabwe)
- Increase resource mobilization efforts from domestic resources, private sector international donors, Banks and philanthropic foundations
- Promote local ownership and leadership