



SOLAR POWERING HEALTHCARE



ABOUT US



CHARITY + BUSINESS



INNOVATION TO BRIDGE THE GAP



**TO DATE: 2.2M SOLAR LIGHTS
DISTRIBUTED**



A healthcare worker in blue scrubs and a light blue surgical mask is using a handheld solar-powered device to measure a patient's blood pressure. The patient is sitting up in a bed, wearing a grey tank top and a yellow patterned wrap. The device is connected to a blood pressure cuff on the patient's arm. The scene is dimly lit, with the primary light source being the device's solar panel, which glows orange. The background shows a hospital room with a metal bed frame and patterned curtains.

SOLAR POWERING HEALTHCARE

A photograph of two healthcare workers in a dimly lit hallway. One worker, wearing light blue scrubs and a stethoscope, holds a red and white flashlight. The other worker, wearing red patterned scrubs, is looking at a small object in her hands. They are standing next to a metal cart with various supplies. A map on the wall to the right shows a river labeled 'ZAMBEZI'. The text '415 INSTALLATIONS' is overlaid in large white letters in the center of the image.

**415
INSTALLATIONS**



2020

COVID19 - RAPID DEPLOYMENT



PLUG AND PLAY SOLAR





LEARNINGS:
CHALLENGES +
OPPORTUNITIES

CHALLENGES

TOO MANY SYSTEMS FAIL

Our own research together with Mzuzu University, Malawi (2021), showed a staggering 87.5% of health facilities had solar systems which had either failed completely or were underperforming

When a system fails:

- Who knows?
- Who trouble shoots?
- Who is responsible?
- Who pays?
- Who repairs?





CHALLENGES

MAINTENANCE



CHALLENGES

LACK OF ACCESS

- Spare parts
- Trained technicians



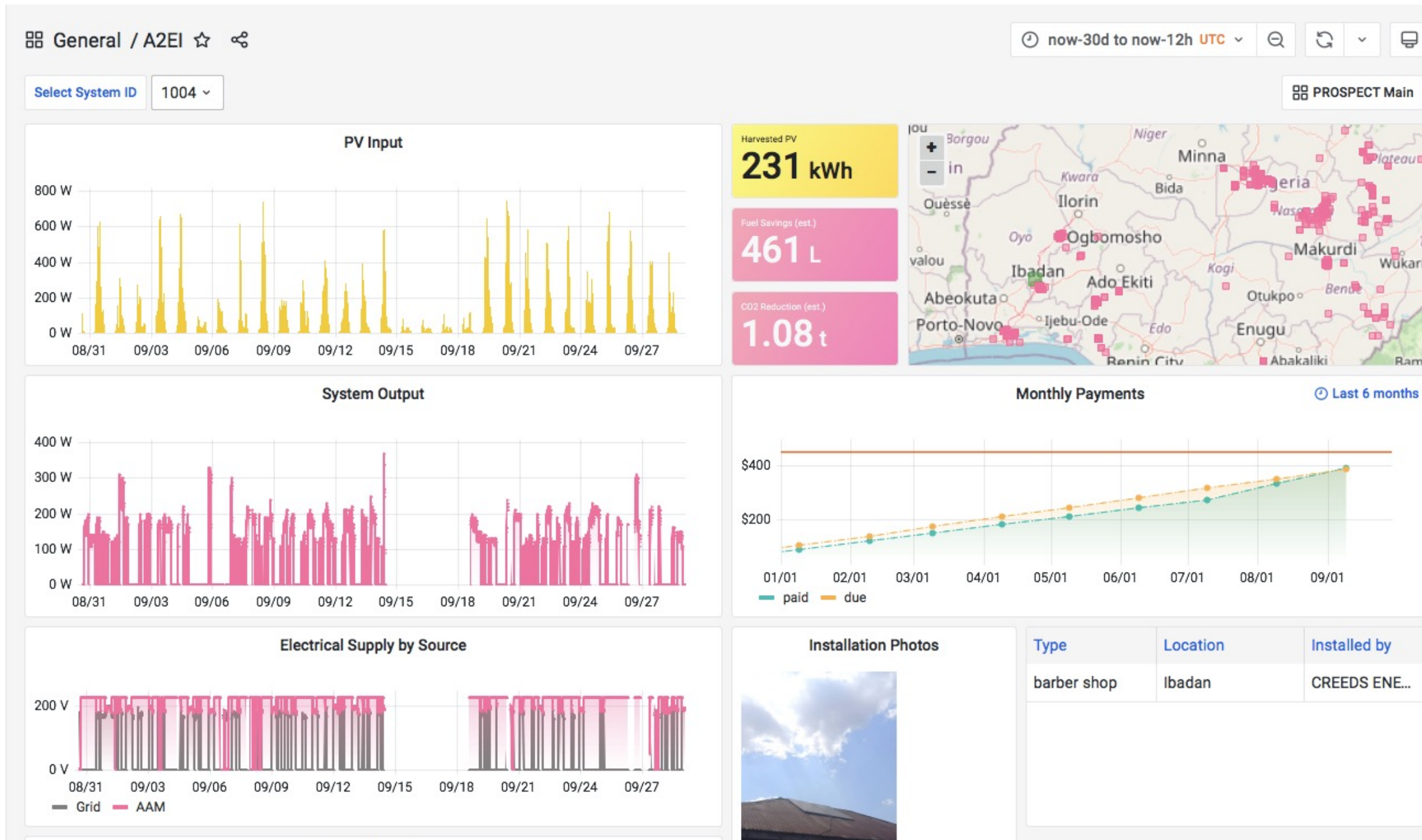
CHALLENGES

RESPONSIBILITY

- Lack of coordination
- Lack of ownership

OPPORTUNITIE

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ONLINE TRACKING + COORDINATION SYSTEMS



OPPORTUNITIE
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UNDERSTANDING ENERGY NEEDS



OPPORTUNITIE
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REMOTE MONITORING + SUPPORT

OPPORTUNITIES



PLUG AND PLAY

- Lower costs
- Energy efficient
- Rapid deployment
- Maintenance free

Possible interim solution



OPPORTUNITIE
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EFFICIENT MEDICAL APPLIANCES AND LIGHTING



OPPORTUNITIE
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SMART SOLAR COMPANIES NOW ACROSS AFRICA

- Maintenance / support
- Spares & repair
- Service models



OPPORTUNITIE
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REFRIGERATION

Improving technology & affordability

OPPORTUNITIES

FINANCE STILL A PROBLEM, BUT...

- Business Models needed
- Energy as a service potential
- Low cost finance
- Subsidy potential



THANK YOU.



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