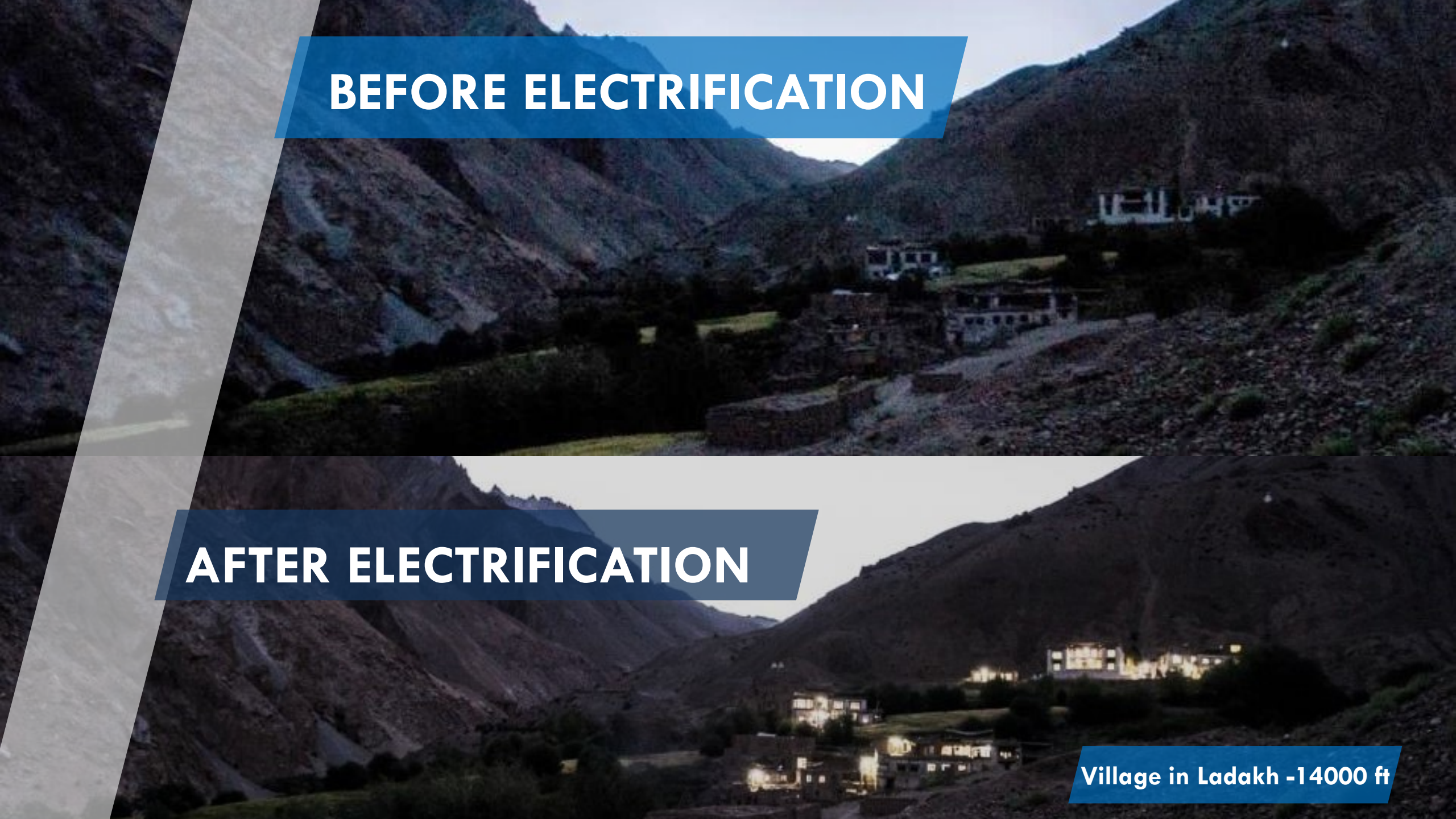
Shakir Hussain
Head Engineer

Gurmet Angmo
Women Engineer

Global Himalayan Expedition

GHE

WHY LADAKH NEEDS LOCAL ELECTRICIAN


BEFORE ELECTRIFICATION
AFTER ELECTRIFICATION
Village in Ladakh -14000 ft

SOLAR TRAINING OF LOCAL YOUTH – GARO, MEGHALAYA

GURMET ANGMO - TRAINING BY GHE & BAREFOOT

TRAINING AS SOLAR ENGINEERS FOR 6 MONTHS

LEARNING THE BASICS OF ELECTRICITY AND CIRCUIT BOARDS

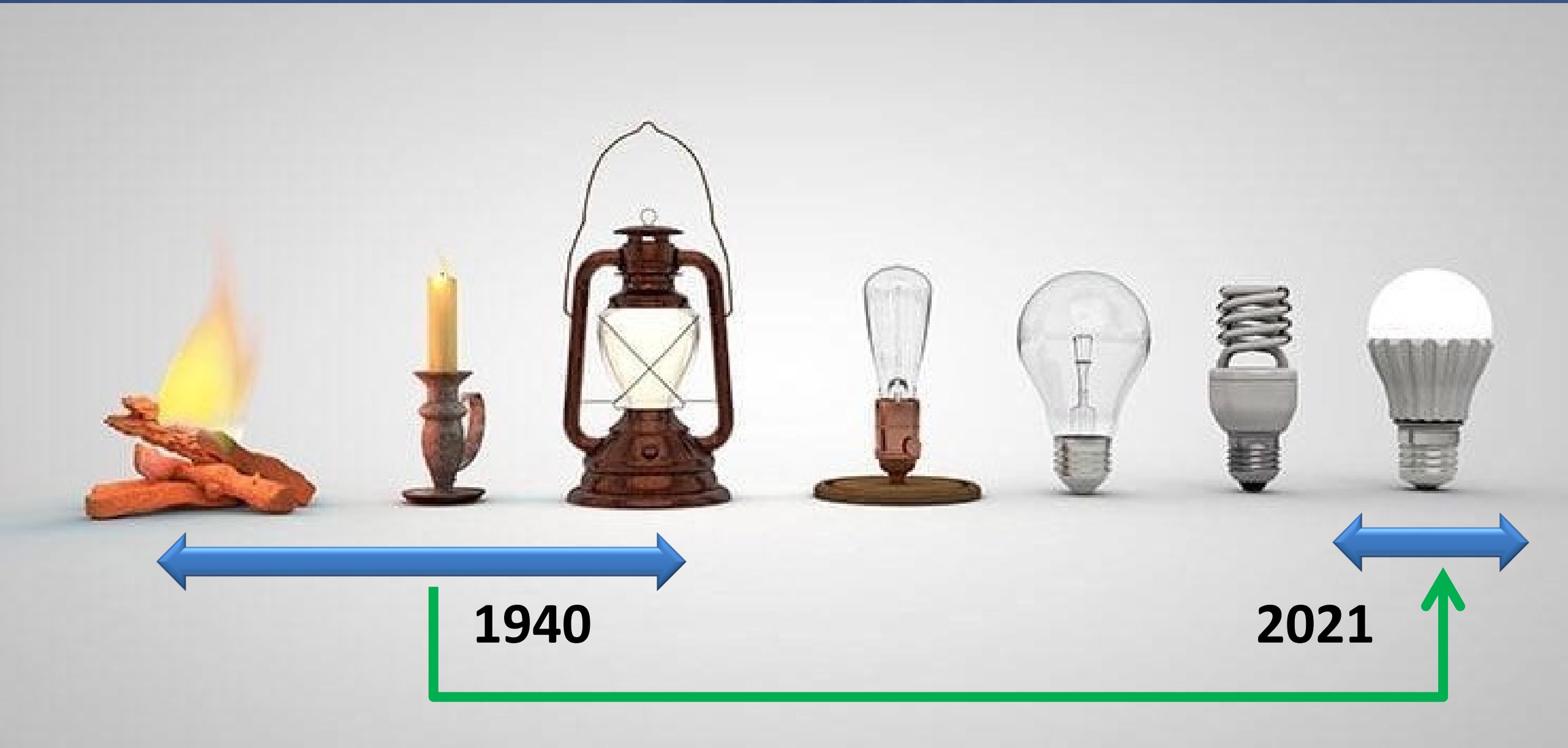
CONNECTING THE SOLAR PANELS TO THE BATTERIES

RURAL LADAKH ELECTRIFICATION WORK

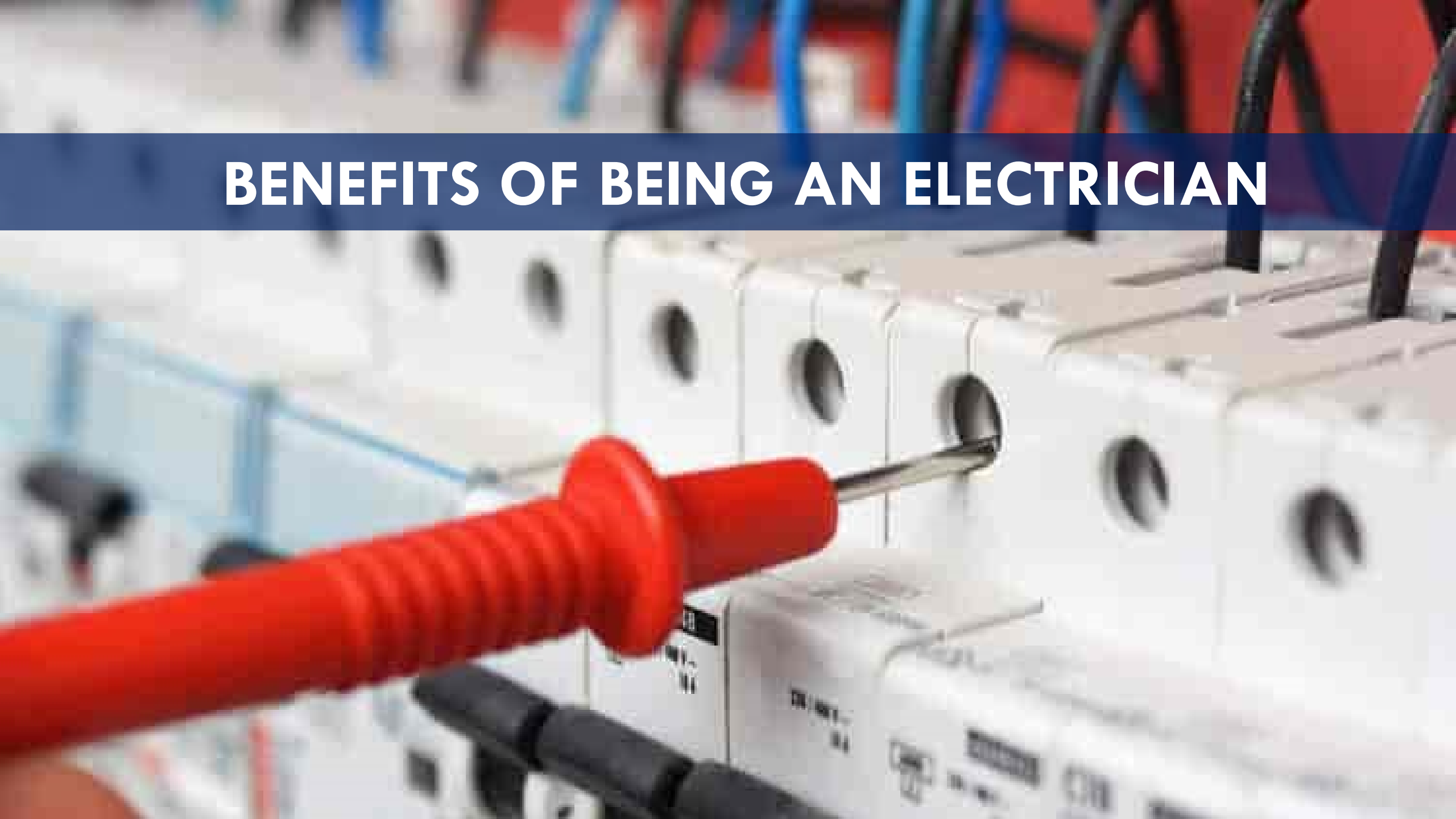
MEGHALAYA ELECTRIFICATION WORK

IDENTIFY MEGHALAYA WOMEN FOR SOLAR ENGINEERS

100W BULB TO 10W LED (SAME LIGHT)



BENEFITS OF BEING AN ELECTRICIAN




BASIC TOOLS TO START
BASIC QUALIFICATION REQUIRED
MORE INCOME VS TIME SPENT

RESPECT FROM COMMUNITY

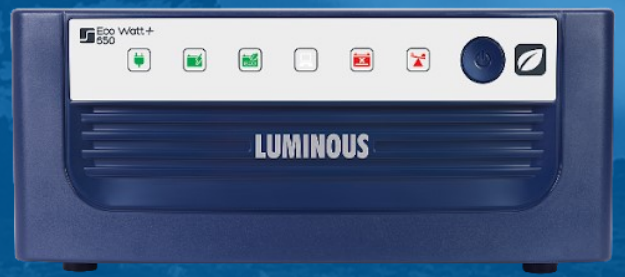
JOB SATISFACTION

SOLAR SYSTEM COMPONENTS

BATTERIES

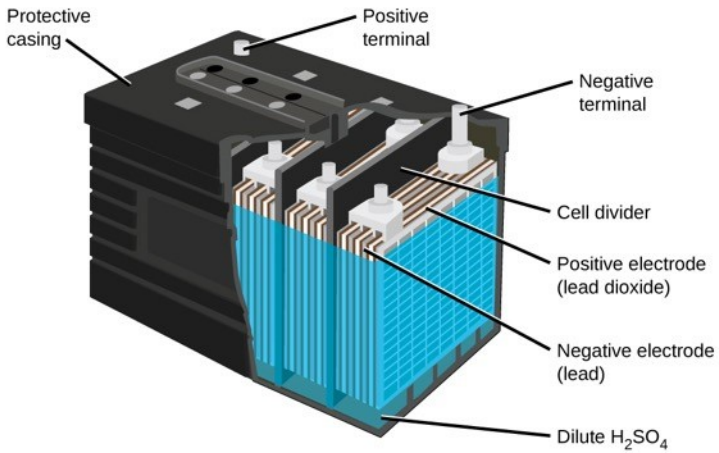
SOLAR PANELS

LED BULBS



INVERTER

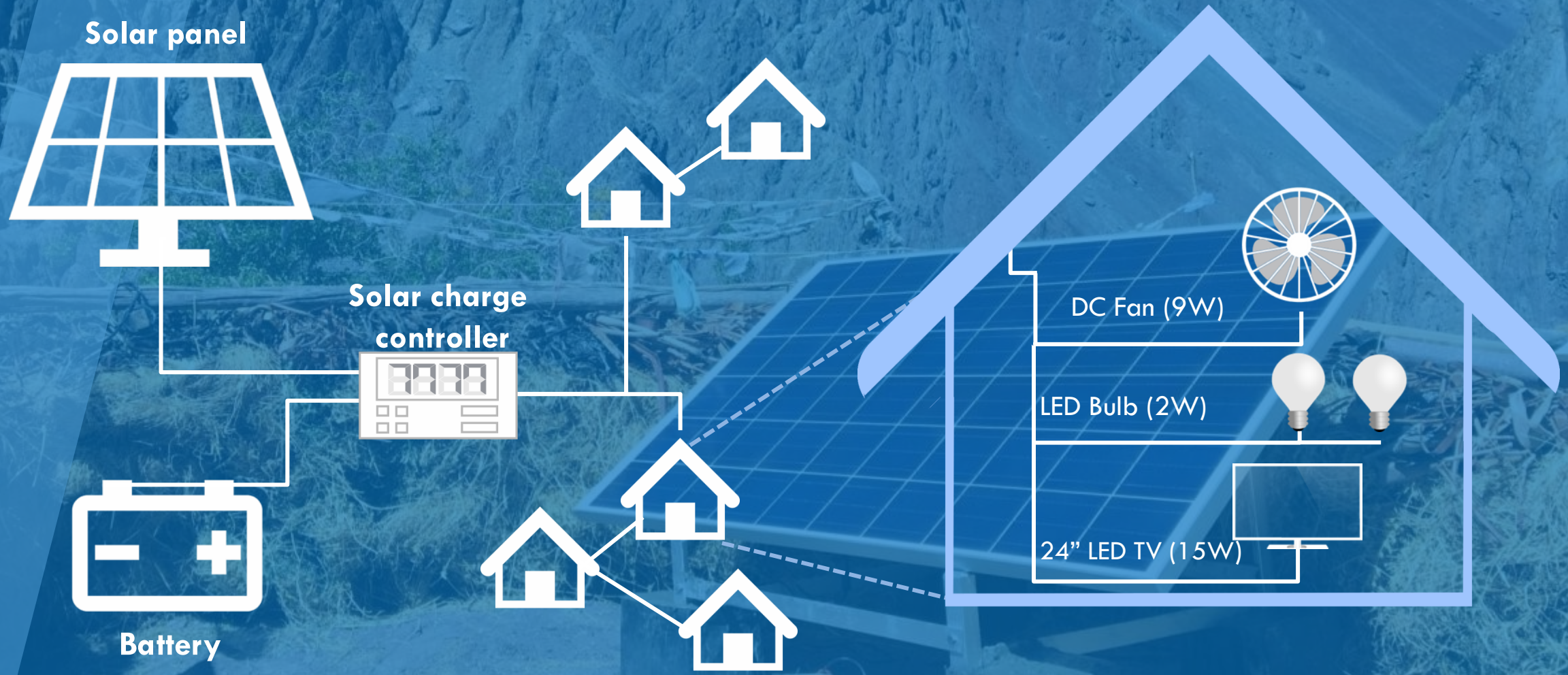
TYPES OF BATTERIES



SOLAR TUBULAR - LEAD ACID BATTERY

GEL BATTERY

DC MICRO-GRID TECHNOLOGY – 200/500W Nano grid



ADVANTAGE OF DC GRIDS vs AC GRIDS

NO CONVERSION LOSS – DC is highly efficient as compared to AC

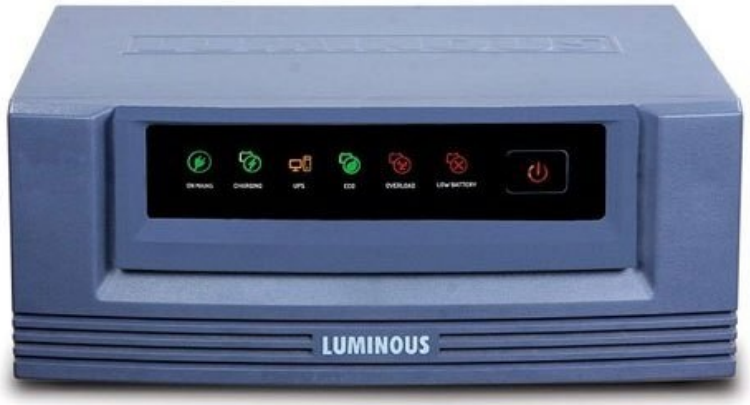
NO SHOCK – DC is safe and risk free, especially for remote rural areas

BETTER LED OUTPUT – More lumens than AC for same power consumption

EASY TO MAINTAIN AND OPERATE – DC micro-grids have a simple design

LOCAL EXPERTISE – Trained electricians easily available for DC technology

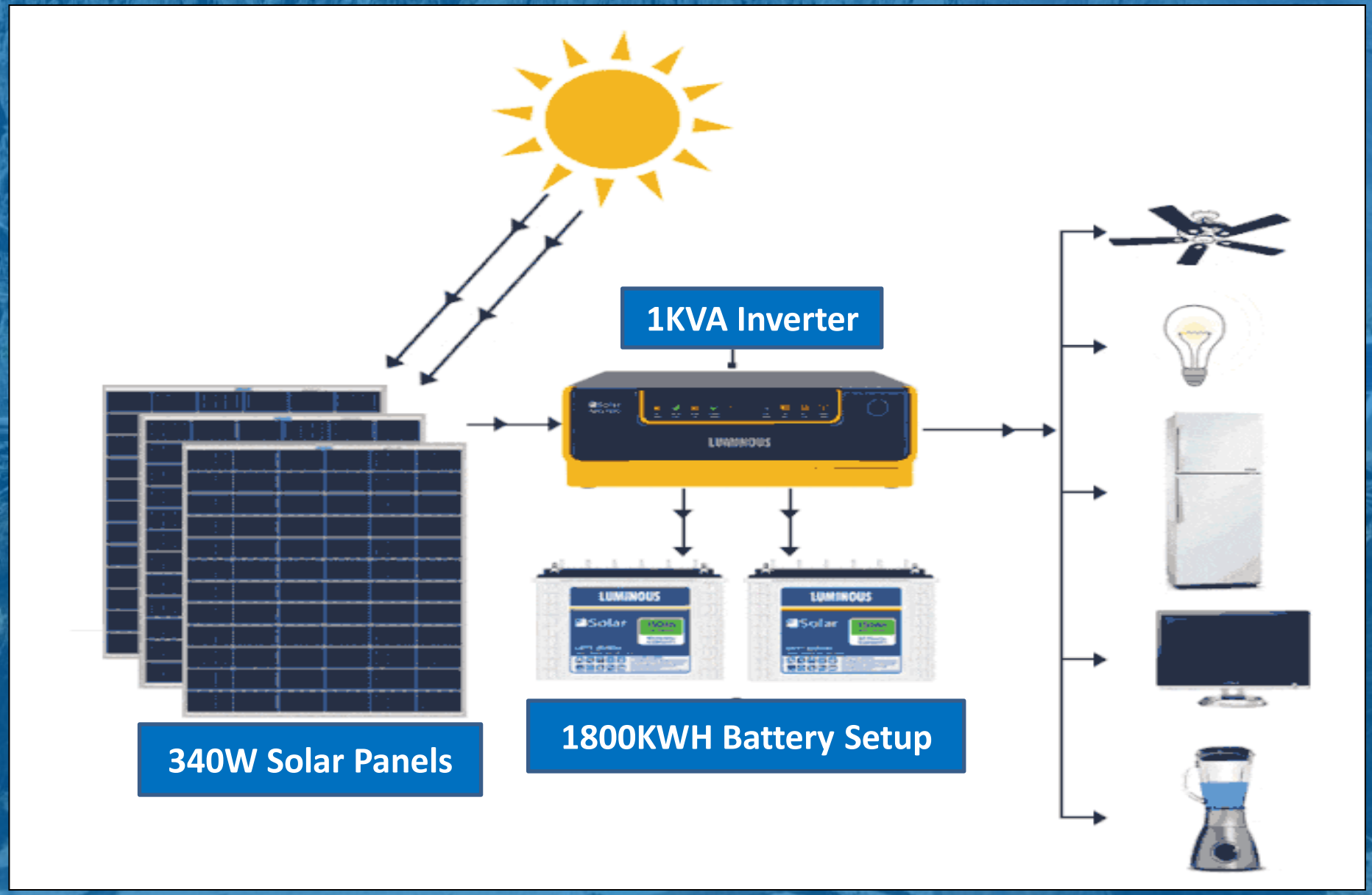
TYPE OF INVERTERS



900 KVA INVERTER

7kW INVERTER

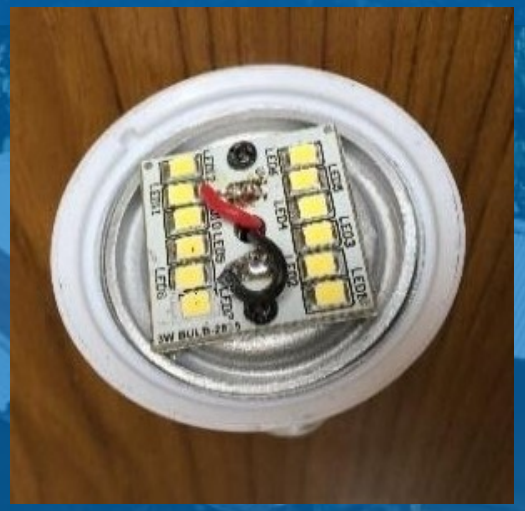
AC MICRO-GRID TECHNOLOGY – 1 KVA INVERTER/HOUSEHOLD



POSSIBLE OPPORTUNITIES IN LADAKH

- Get Work throughout 12 months in Ladakh
- Demand of Outside companies for local electricians
- Continuous work from Hotel & Resorts
- Trained Electricians can apply for UT Ladakh tender
- Setup Service centre for Maintenance of Solar Products

COMPONENTS OF LED BULB MAKING



MCPCB

B-22 Holder

SOLDERING ROD

CRIMPER

MY DREAM - MAKE IN LADAKH INITIATIVE

SETUP OF LED ASSEMBLY LINE TO MANUFACTURE SOLAR COMPONENTS

LOCAL PACKAGING, AND DISTRIBUTION OF LOCALLY MADE SOLAR PRODUCTS

TRAINING LOCAL COMMUNITIES TO SETUP SERVICE CENTRE


Thank you
Shakir Hussain
Gurmet Angmo