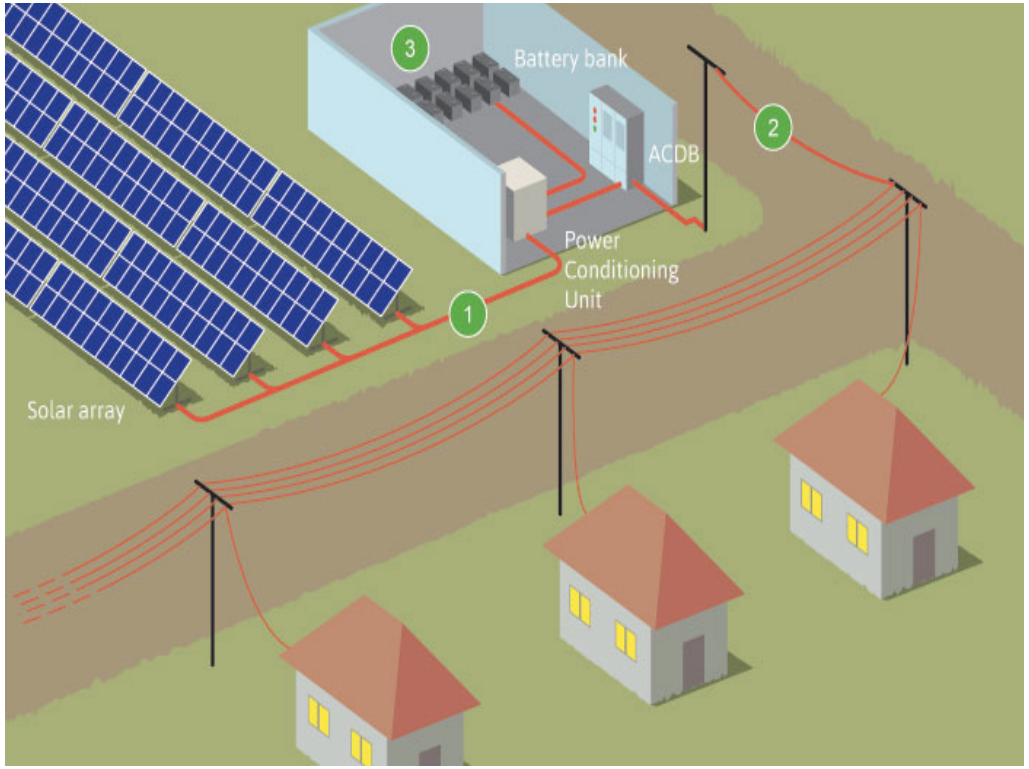
Light in every home

Problem statement

- 240 millions Indian lives without Electricity
- Ranks 81 position in overall self sufficiency at 66% in 2014
- 60% of energy through fossil fuel (mainly Coal) & only 16% through renewable energy
- India GDP grows at 7.1% this year and expected to 8.0% by 2020
- Major part of GDP associated with increase in energy
- 30% Transmission and Distribution loss when its 6% in US
- Solar panel still costly for the common man
- Lack of simple technology to enable community based self reliance

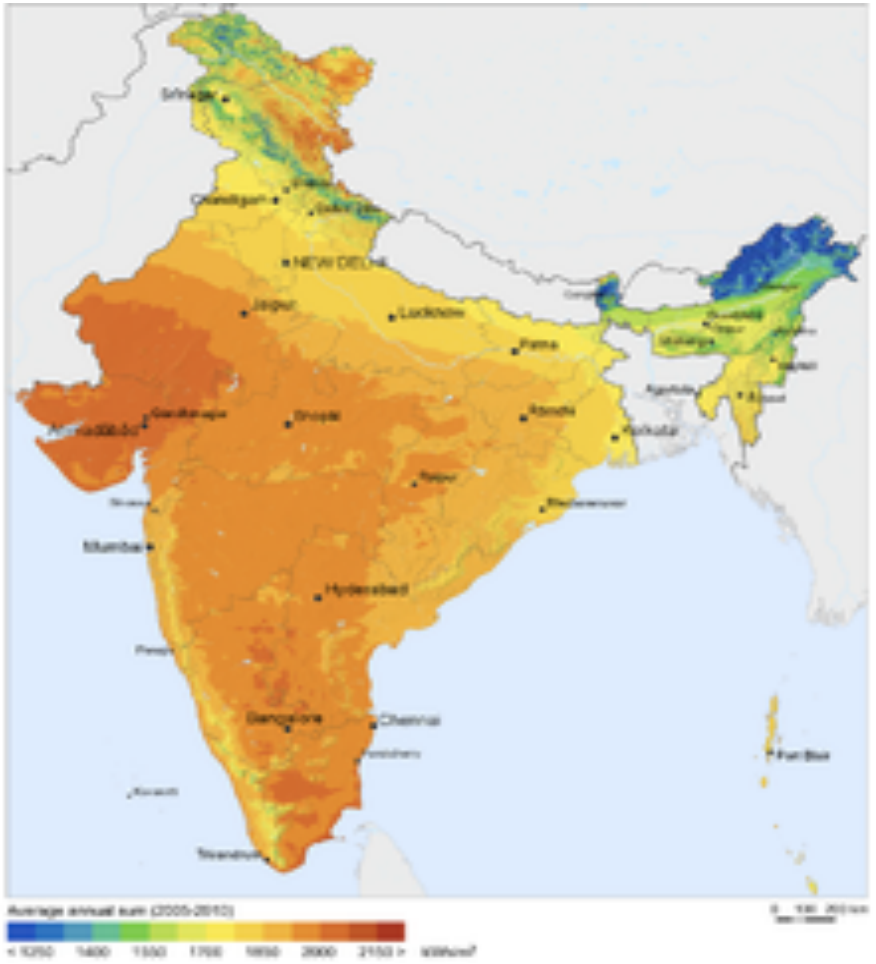
Solution

- Empower a self reliant community through solar power distributed via micro grids
- Using Blockchain technology to have a reliable transfer of energy through a distributed peer to peer framework
- Technology is scalable and once we develop a prototype we can pretty much replicate in other places
- Proven technology in other countries
- The IEA says 70% of the rural areas that currently lack access will need to be connected using micro-grids



Why Solar

- Renewable and green energy
- High solar insolation
- A big potential consumer base density
- Big push by Government to generate 40% of India's solar renewable target of 100 GW by 2022
- Year 2017 recorded a 90% growth over the previous year
- Easier to deploy even in urban and rural landscape



Market space

- India is becoming smart with 100 smart cities
  - US$1.2 billion allocated for smart cities
  - Electrification of all households with power available for at least 8 hours per day

Why Kerala & Kochi

- Severe shortage of electricity with the main source of energy from hydro electric power.
- This year with 42% of less rain (lowest in 10 years) in catch ment areas government looking into alternative energy sources
- Kerala land scape suits to scale easily to other places both rural and urban
- Kochi “Queen of Arabian Sea” a Tier 2 city is getting smart, and with density of 16,400/sq mi, has a great scope of distributing cheaper energy

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What we want to achieve

- Every household has a solar panel to make them self reliant in rural or urban India
- Adopt the synergy of community power empowerment
- Sell what you save generating an attitude of saving energy
- Generate local jobs market for creating solar panels, support & maintaining it
- Facilitate the cost of solar equipment to go down with more demand and local made panels, thereby allowing it to be used by all
- Green Energy for growing India, think about the alternative and its effect on environment
- Better way of distribution saving on that 17% loss

Who are we

- 4 partners with combined experience of 100+ years, with excellent experience in Financial Services, Insurance, Healthcare, Social Care & Hospitality verticals
- Setting up the parent company in Crypto valley at Switzerland
- Technology enthusiast working with latest technology especially using Blockchain technology
- Can build up the logistics in the Indian market and already in talks with potential partner
- Believe in the power of people and want to make a difference to society

Give a light to every home in India

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