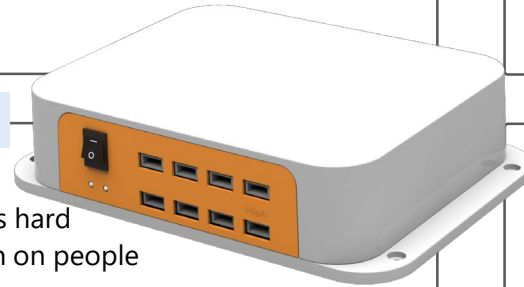# Technologies and innovations used for improve rural lives through the renewable energy

Technology peculiarity

1. Products are using renewable energy without batteries
2. It costs almost maintenance fee
3. High durability for over 10 years

Regional Challenges (Electricity)

1. studying for students at night is difficult
2. Taking care of patients in the health center at night is hard
3. Batteries and kerosene expenses for lamp are burden on people lives
4. Charging phone costs burdens and in order to get to charging spots is far from their living

Regional Challenges (Agriculture)

1. Rainfall has declined considerably, it leads to drought due to the climate change
2. Agriculture plays a crucial role in ensuring food security and in the economic growth
3. The usage of engine pump is a burden for farmers due to fuel costs and negatively affects the environment.
4. Increased poverty, hunger and food insecurity due to insufficient production.
5. Restrictions on growing crops due to lack of agricultural water
6. The employment in agriculture is declining due to the crisis and food insecurity
7. Exodus of young people to urban areas due to lack of agricultural means in rural areas

Make a social contribution

1. Renewable energy is eco-friendly electricity that anyone can access.
2. No waste due to no batteries required
3. Very effective and efficient

Contribute to the solution of challenges(Electricity)

1. Improving learning opportunities for children in rural areas
2. Ensuring community health care at night
3. Improving their lives by reducing fuel costs
4. Easy access to the charging places

Contribute to the solution of challenges (Agriculture)

1. Agricultural management and production support by reducing fuel costs with solar pumps
2. Fight against poverty by increasing income and employment through agricultural support
3. Reducing the physical and time burden on women and children by using our innovated products