SELCO Foundation aims to:

1. Critically understand the energy gap hampering the quality and quantity of health care services in under-served contexts.

2. Identify, design and implement solutions which enhance the sustainability and efficiency of healthcare delivery. (Decentralized health care solutions)

3. Demonstrate implemented field-based robust benchmarks for processes and models that can be effectively scaled under the health+energy nexus.
The solution is a combination of Need-based

Bridging the energy gap (optimized DRE Systems)

Energy efficient appliances

Appropriate innovations for strengthening health-care delivery
Selecting efficient technologies

User Research
Partnerships (pull and push)

Market Research

Issues-
Efficient Technologies exist but do not reach the targeted segmentation/user base

Exists but efficiency needs to be improved

Exists but efficiency, design and dissemination model of the service needs to be improved

Financial and ownership models

Human resource development at multiple levels

Appropriate technology and design

Local clean energy enterprise capacity building

Conducive Schemes and policies

43 enterprises
Examples of identifying and assessing efficient technologies

- **Vaccine Refrigerator**
- **Efficient labour rooms (5 appliances, 48% more efficient)**
- **Breath Counter Maternal kits**

Appropriate technology and design
Examples of financial models

- Sittlingi - Operating Theatre (Capital cost recovered)
- Karuna Trust, North Karnataka PHCs (Operational costs)
- Powering mobile clinics with C-NES (Cost per patient reduction - and co-leverage via CSR)

Financial and ownership models
Training and Capacity Building

Level of training, costs and feedback during pilots (usage of equipment, trained personal changing etc)

Centurion University

Local energy enterprises (influence CSR, work with the state and policy makers)

Human resource development at multiple levels
Benchmarking Models

Demonstrate benchmark models and processes

Meditree

Keba

Cancer Sub centers
Roadmap for policy makers and state health champions

**Guidelines for:**

- **Mapping out typologies** along with existing health care ecosystem in place (**enabling factors**)

- **Guidelines for designing and implementing appropriate technical and financial interventions for chosen sites**
  - Selection and procurement of efficient appliances,
  - Design and procuring appropriate need-based sustainable energy systems - clean energy enterprise selection,
  - Financial modeling and evaluation (+ financial and ownership design for maintenance and servicing)

- **Capacity building** of heath-care staff on owning, using and maintaining appliances and systems in place

Systems in remote - off grid settlements (Swasthya swaraj (top) mobile units for basic care MM Hills (below))
Partners
(Public Private Partnership run Clinics, NGO/ Private Clinics, Gov Champions- District Health Officers and State Health Secretaries, District Commissioners)

HEALTHCARE NGOS

MED-TECH COMPANIES

GOVERNMENTS, POLICY, RESEARCH AND ADVISORS

TRAINING INSTITUTIONS

ENERGY ENTERPRISES

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