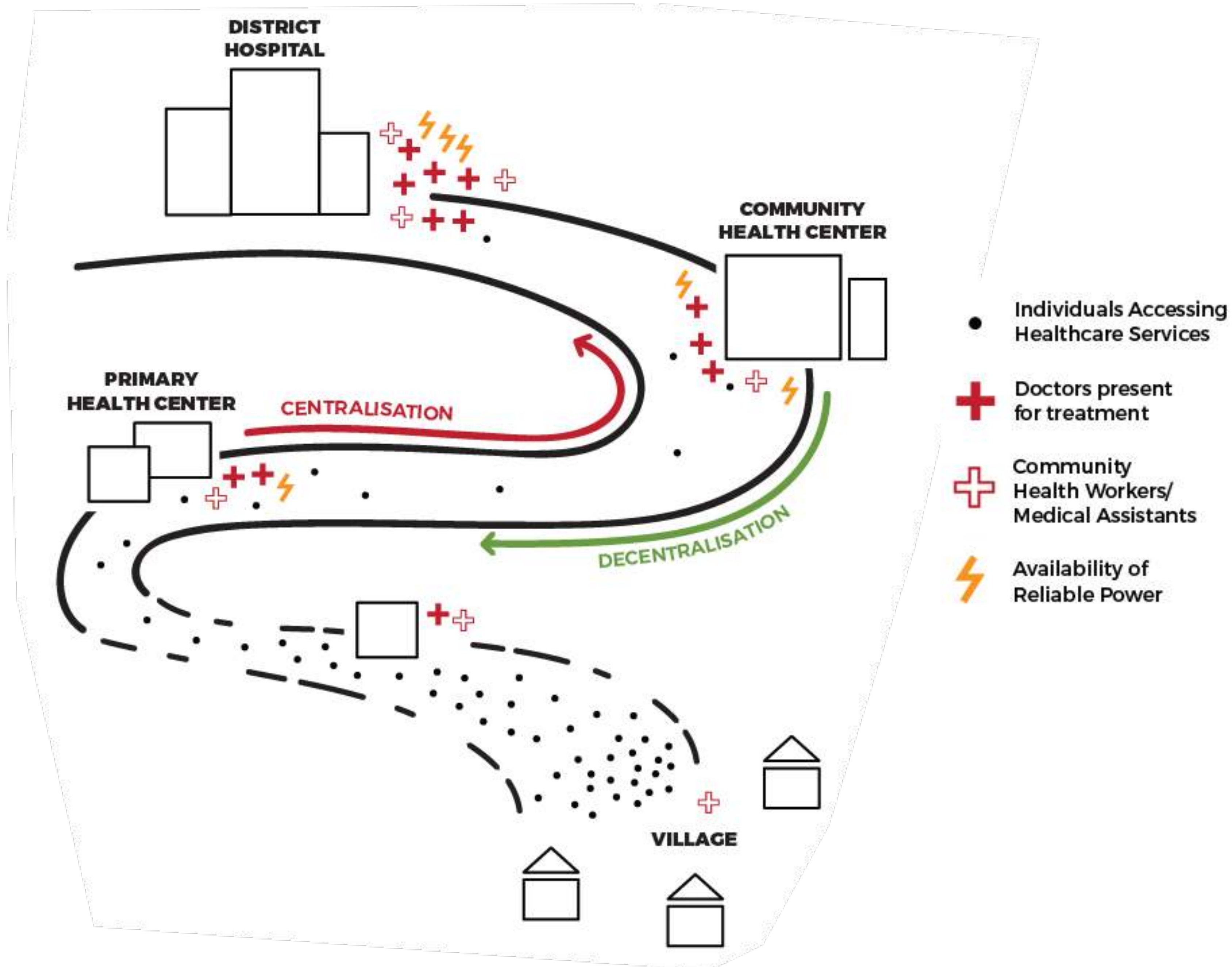




health+energy

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 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**



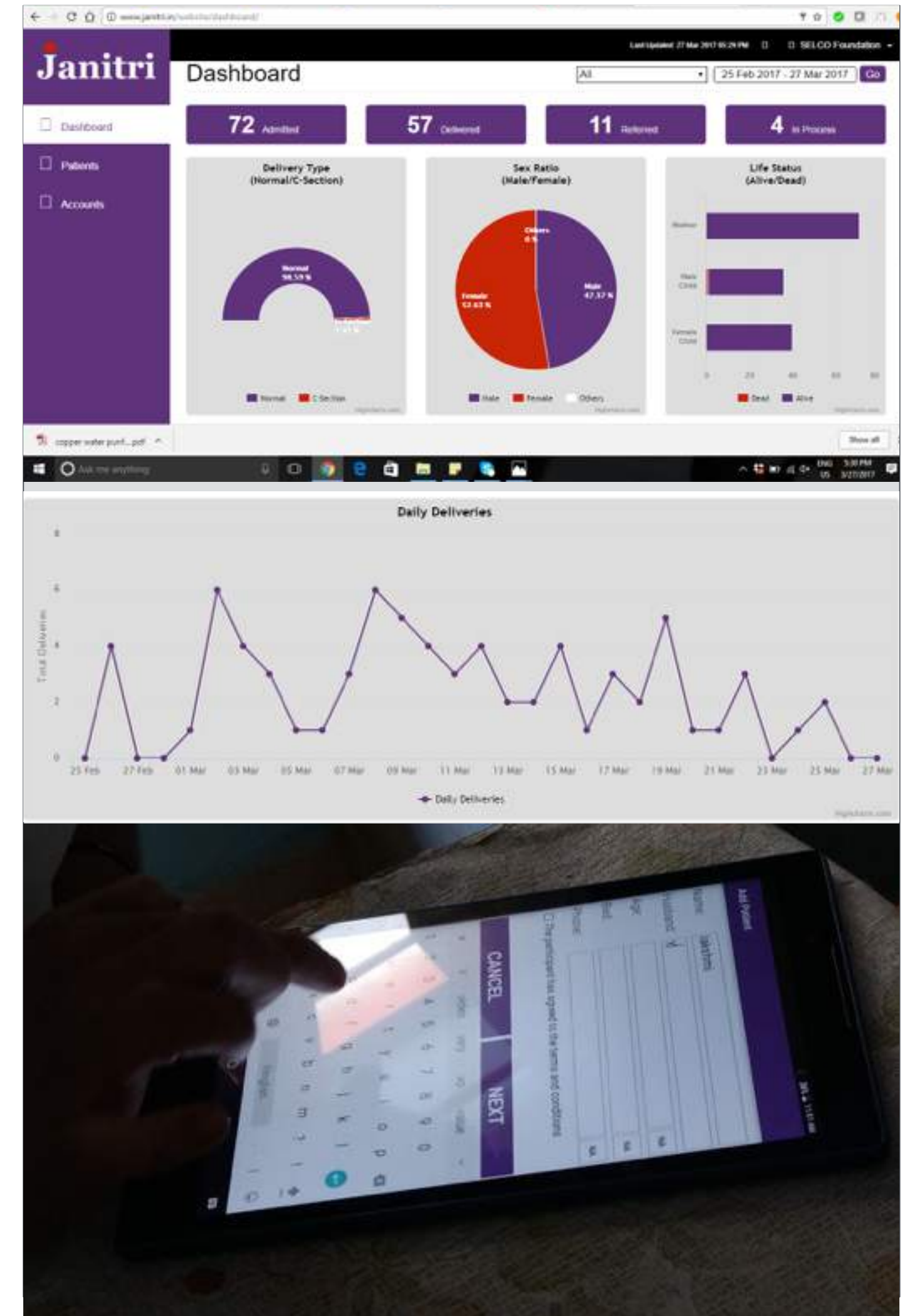
# The solution is a combination of Need-based



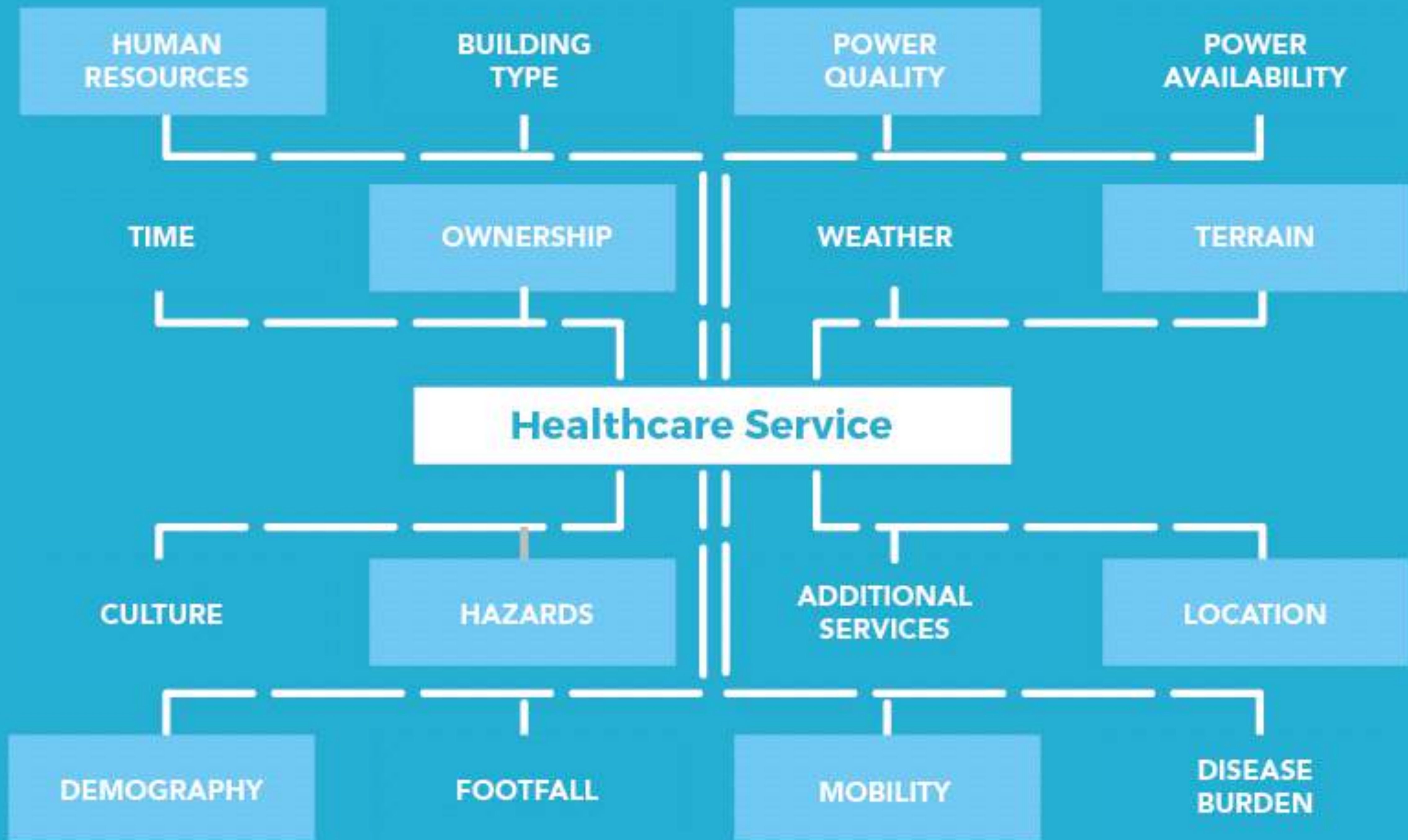
Bridging the energy gap  
(optimized DRE Systems)



Energy efficient appliances



Appropriate innovations for  
strengthening health-care delivery



# Selecting efficient technologies

User Research

Partnerships (pull and push)

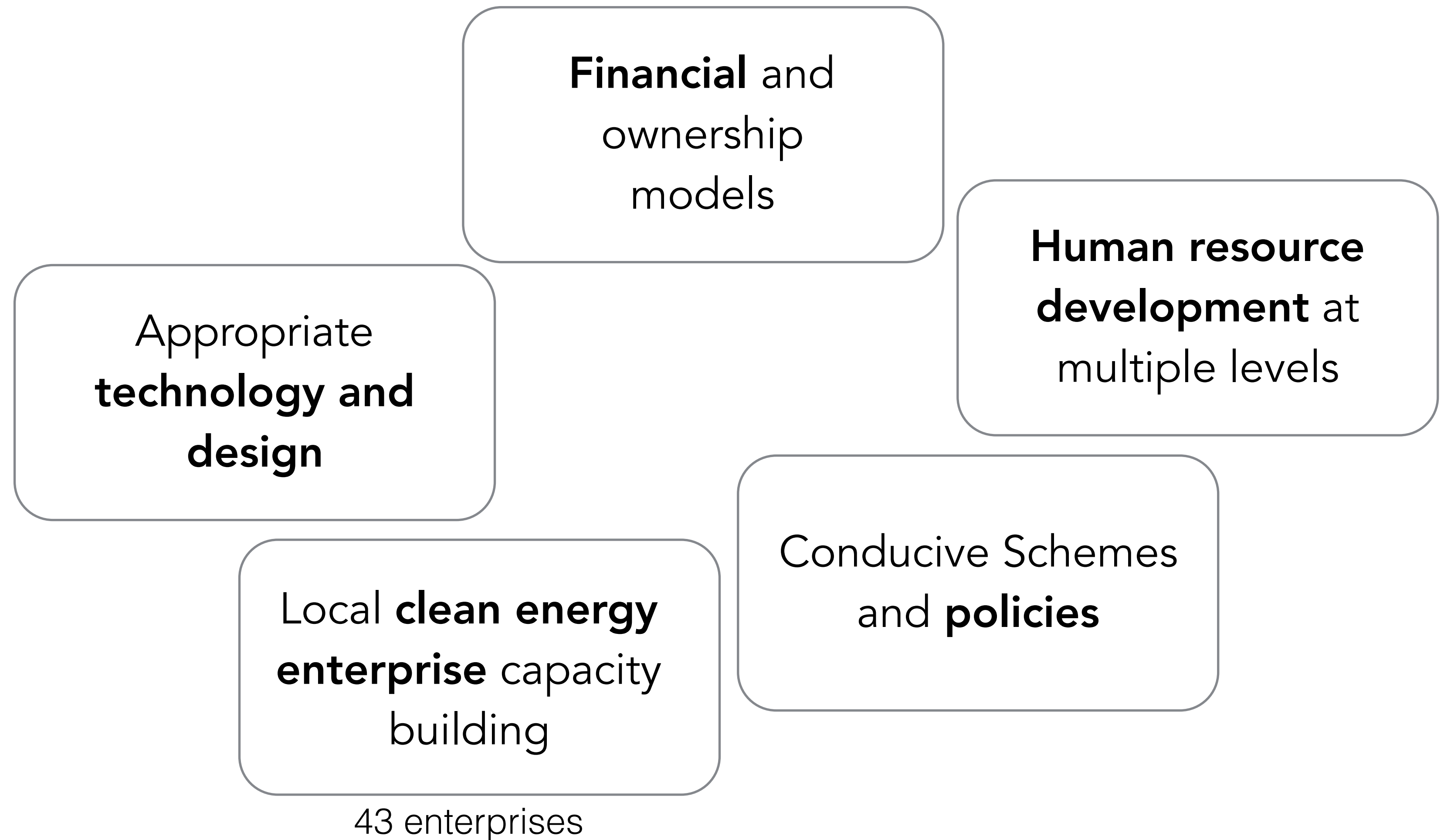
Market Research

## 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



# Examples of identifying and assessing efficient technologies

Appropriate  
technology and  
design



Vaccine Refrigerator



Efficient labour rooms (5 appliances,  
48% more efficient)



Breath Counter  
Maternal kits

# Examples of financial models

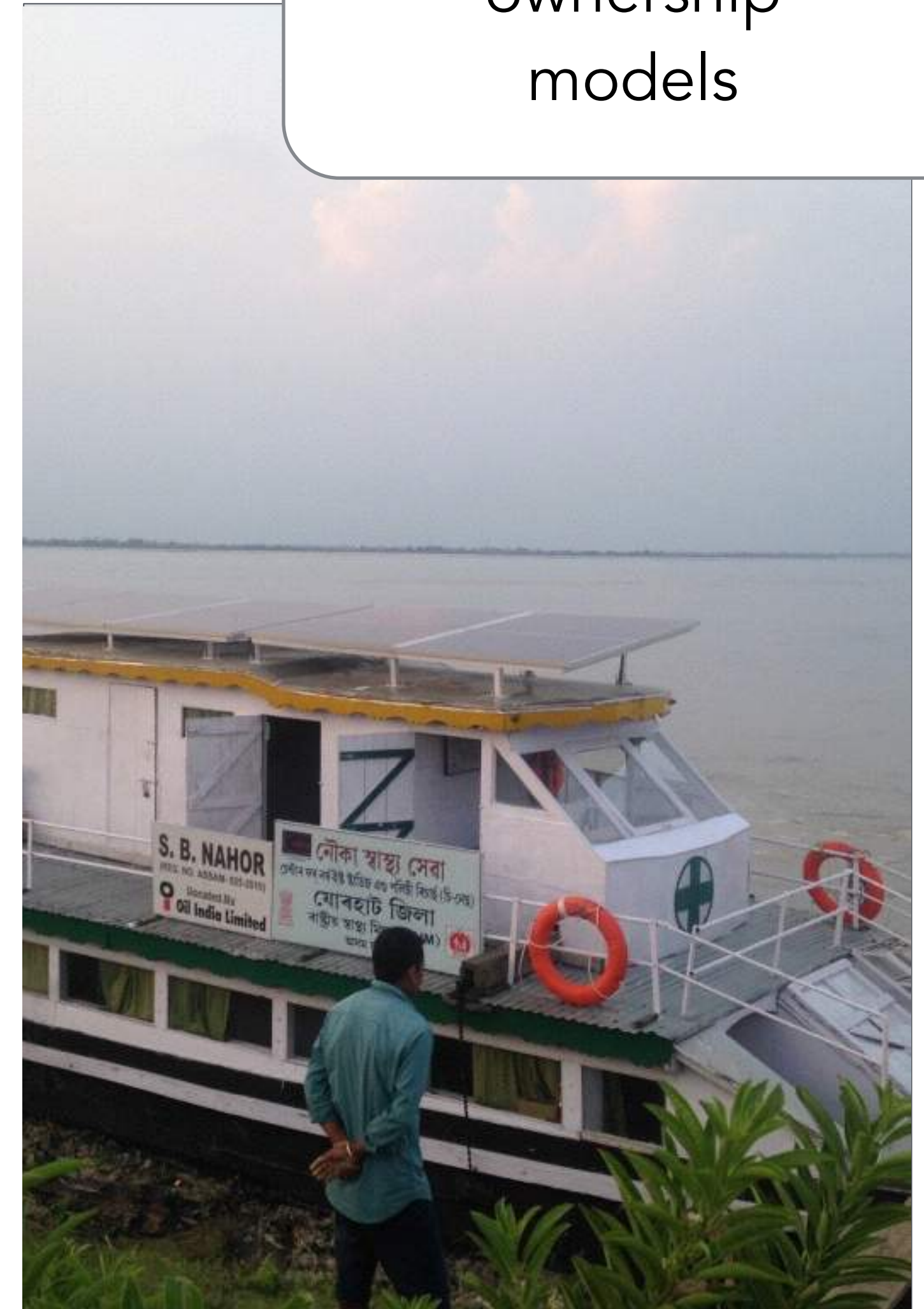
**Financial and ownership models**



Sittlingi - Operating Theatre  
(Capital cost recovered)



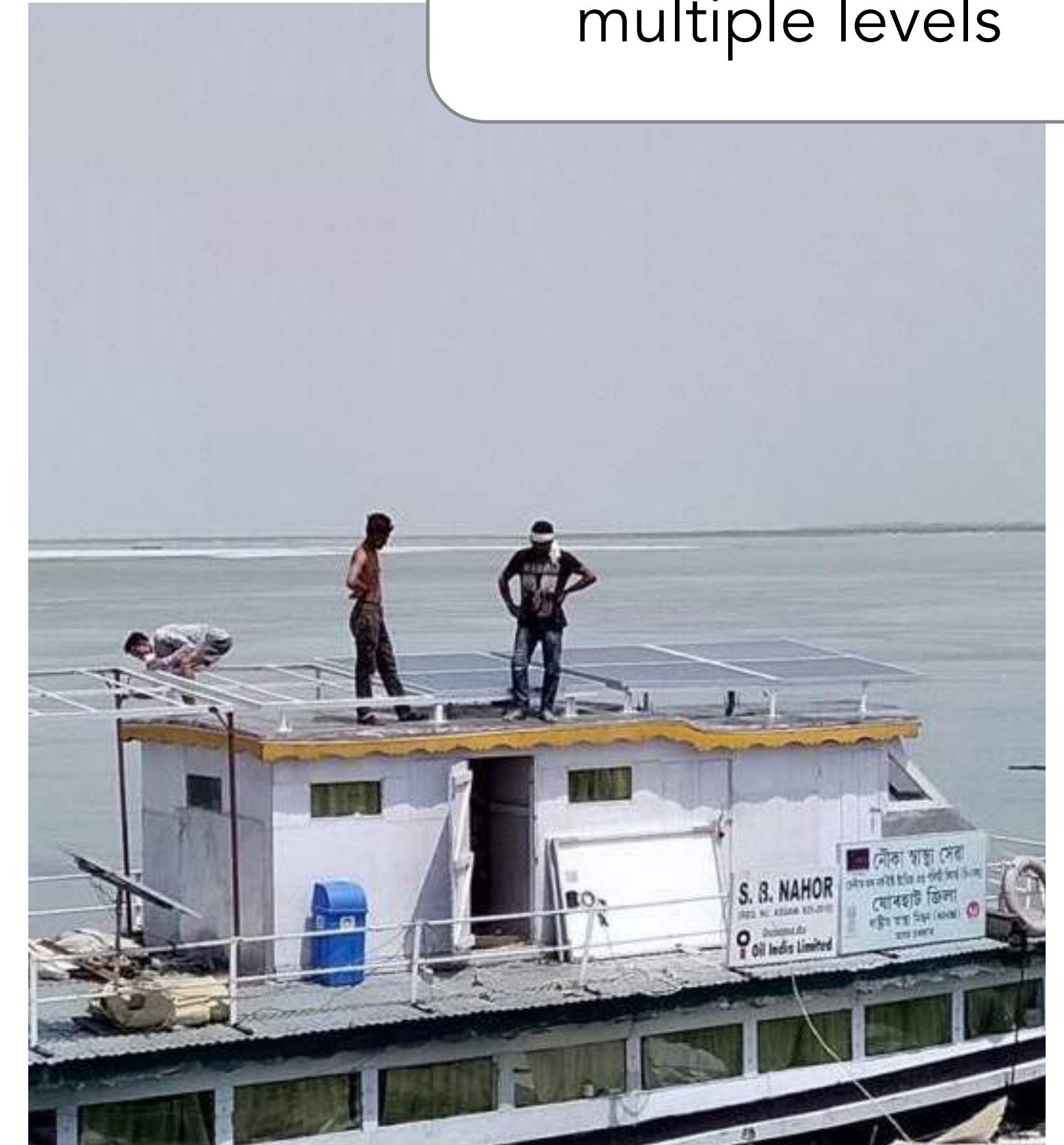
Karuna Trust, North Karnataka PHCs  
(Operational costs)



Powering mobile clinics with C-NES  
(Cost per patient reduction - and co-leverage via CSR)

# Training and Capacity Building

Human resource  
development at  
multiple levels



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)



# 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 health-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



CENTER FOR NORTH-EASTERN STUDIES  
AND POLICY RESEARCH (C - NES)



Jan  
Swasthya  
Sahyog

## MED-TECH COMPANIES



GE Healthcare



## GOVERNMENTS, POLICY, RESEARCH AND ADVISORS



## TRAINING INSTITUTIONS



## ENERGY ENTERPRISES



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