THE RURAL HEALTH CARE ACCESS PROBLEM IN TANZANIA

70% of Tanzanians live in rural villages, of which 83% have no access to health care

CAUSES:

1. POVERTY
   - 70% of Tanzanians live on less than $2 per day
   - 80% of them live in rural areas
   - Lack of meaningful employment
   - Many cannot afford to travel to cities

2. DOCTOR SHORTAGE
   - There are only 0.31 doctors per 10,000 people in rural Tanzania
   - Urban areas only have 1.4 doctors per 10,000 people
   - Rural over-flow to urban centres creates an over burdened health care system

3. LACK OF INFRASTRUCTURE
   - Rural areas are separated from urban areas by vast distances and un-developed roads, which makes it extremely difficult for someone in these rural areas to seek medical attention
   - Rural areas lack electrical infrastructure to set-up quality health services
THE SOLUTION: AN INTEGRATED CLINIC TO ADDRESS THE RURAL CRISIS

Addresses factors for overall community health and well-being:
✓ Health Care
✓ Food Security
✓ Clean Water
✓ Energy
✓ Local Employment

Solar infrastructure = cost efficiency

1. Solar & Agri-Infrastructure Clinic
2. Local Health Care / Agri-Ops Team
3. Agri-Products used in-house or sold locally

Revenues sustain clinic ops and salaries
OUR PILOT CLINIC: TESTING THE MODEL ON A SMALLER SCALE

- Constructed 5 room clinic
- Conduct health education camps on illness prevention
- Treat patients and provide maternal and child care
- Part time Agri-Doc and medical students manage operations
- Over 1000 locals helped per year
OUR PILOT CLINIC: TESTING THE MODEL ON A SMALLER SCALE

- Aloe vera plantation used to generate ointments for use in clinic or sold locally
- Moringa, dried leaves used in health education for treating diabetes symptoms, reducing inflammation etc.
- Revenues generated from produce helped maintain low-cost model
APPLYING THE FULL-SCALE MODEL

• Committed to start operations at an abandoned clinic in Tipo Village (Nyamato District)
• Utilize Medical Officers and Assistants in an Agri-Doc role
• Planning to upgrade pilot clinic (Krishna Veni Charitable Clinic) by adding solar infrastructure
• Grow agriculture activities at both clinics with support of Agripreneur Africa
• Funding support needed for both clinics
POST IMPLEMENTATION OUTCOMES

Birthing Centre of Choice
- Reduction in maternal and new born deaths

Centre of excellence in treatment & education
- Reduction in treatable or preventable illnesses

Community kitchen of choice
- Reduction of illness due to food or water borne contamination

Key Performance Indicators
- % of community women delivering in the clinic
- % live births
- % post partum complications
- # of treatments provided
- Delta in rate of community illnesses
- % participation in education programs
- Incidence of food or water borne illness
- % sales or agri-products in local community
- Revenue from sales in local markets

MEASUREMENT:
Agri-Doc & Local Team Trained to Record Data
Publication of Monthly Dashboard
Performance insights and improvements
THE TEAM

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THANK YOU!

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