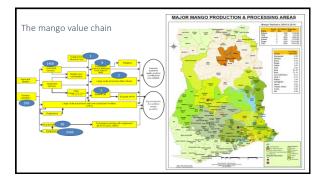


The challenge

- In the Brong Ahafo region of Ghana, thousands of farmers have cultivated mangoes as means of earing long term economic returns and increasing their income.
- Lack of low-entry technologies for value addition
- No post-harvest terminal facilities
- $\ ^{\cdot}$ Huge pre and post-harvest losses, estimated at 40 to 50% of biological yield.
- Harvested produce are wasted or sold at giveaway prices to few oligopolistic buyers available.
- These low prices and waste invariably leave the poor farmer with monetary losses and continue to deepen the already depressed poor living standards and thus perpetuate the cycle of poverty in the region.



Our solution

Innovation:

 To catalyze small scale fruit processing at the farm level using lowcost entry technology to reduce fruits post-harvest losses which currently is estimated at 40%, thereby Improving household income and nutritional status.

Major activities

- Research into best suited designs for drying large volumes of fruits and developing technologies to remotely control processing parameters through the use of smartphone app.
- \bullet Development of a hybrid solar-gas dryer using water heaters and LPG gas
- Drying parameter of temp and RH are controlled remotely by sensors currently being researched.
- Creating partnerships, product aggregation and conducting market intelligence studies to explore local and international markets

