

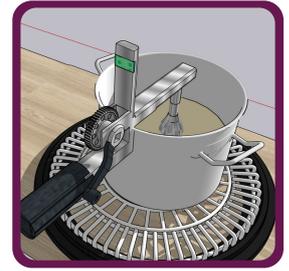
Problem



- MERS is a coronavirus with a 35% death rate and 5x reproduction rate that runs the risk of turning into a global pandemic.
- MERS spreads primarily through camels who transmit it to herders through the consumption of unpasteurized milk.
- Most of the 1 million Kenyan herder households do not pasteurize their milk.
- A cost effect pasteurization tool could greatly reduce the risk of a pandemic.

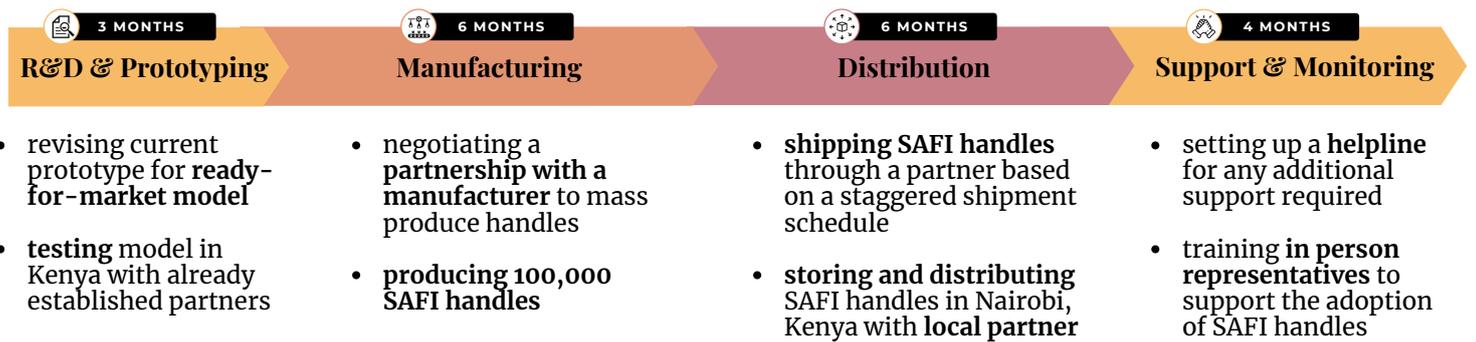
Solution

SAFI is a cost effective pasteurization tool which destroys harmful pathogens in milk through high temperatures and stirring.



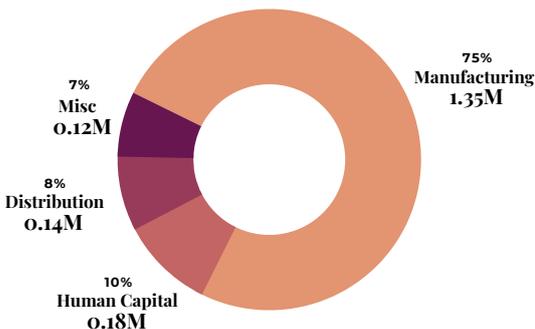
- By simply attaching the handle to a pot, herders can easily pasteurize their milk no matter where they are.
- An aluminium base ensures SAFI is lightweight, durable and environmentally friendly.
- Each handle costs only \$14.5 to manufacture.
- SAFI leverages simple existing technologies, making it more effective and accessible than alternatives.
- SAFI won first place in an international development competition judged by members of the UN, UNICEF, WHO, House of Lords and other parliamentary groups.

Implementation Plan



Financing

SAFI will require \$1.6 - \$1.8 million for the initial round of distribution of 100,000 handles. This will target 10% of herder families in Kenya.



Our Team



Miraal Kabir
Product Manager



Martin Turuta
Financial Analyst



Alex Shehdula
Data Scientist



Daria Margarit
Marketing Analyst



Kiana Dhindsa
Business Analyst



Hanna Rao
Researcher

Outlook

The eventual objective is to scale up distribution of SAFI handles to all herder families in Kenya. With \$16-\$18 million we will be able to close off a major source of MERS transmission.

