



KOMERA

Sanitary Pad Manufacturing Process for the Developing World



MIT
PUBLIC SERVICE CENTER



Amrita Saigal, Zach Rose, Katie Smyth

August 2, 2010

Need for Komera

- In Rwanda, currently:
 - **36% of women** miss
 - **50 days** of school or work a year
- because they cannot afford sanitary pads



Sustainable Health Enterprises



MIT
PUBLIC SERVICE CENTER



Amrita Saigal, Zach Rose, Katie Smyth

August 2, 2010

Origins of Komera

- Approached by community partner – Elizabeth Scharpf of Sustainable Health Enterprises (SHE)
- We decided to take this project on as part of our senior design class.
- Concept generation, design, fabrication in team of 16



2.009 Product
Engineering Processes



MIT
PUBLIC SERVICE CENTER



MIT
IDEAS
Competition

Amrita Saigal, Zach Rose, Katie Smyth

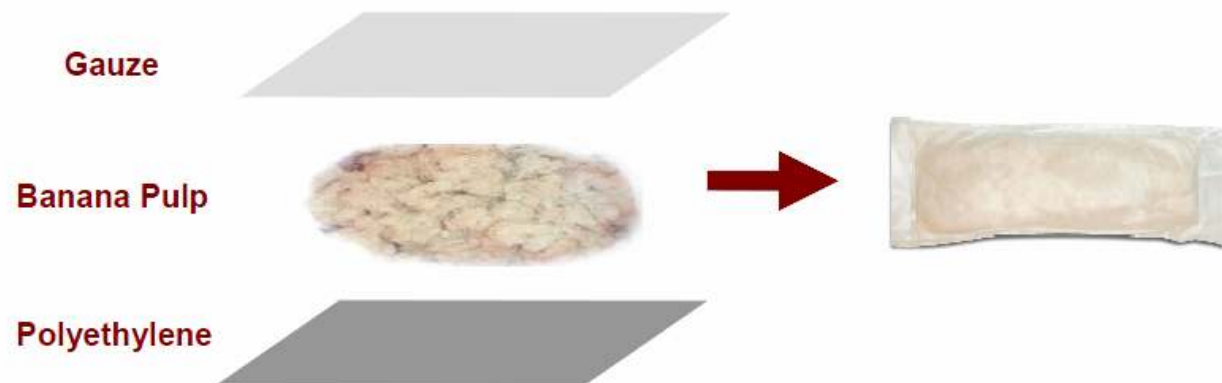
August 2, 2010

Pad Making Process

- Pulp (10.26):



- Our Task:



Alpha Prototype



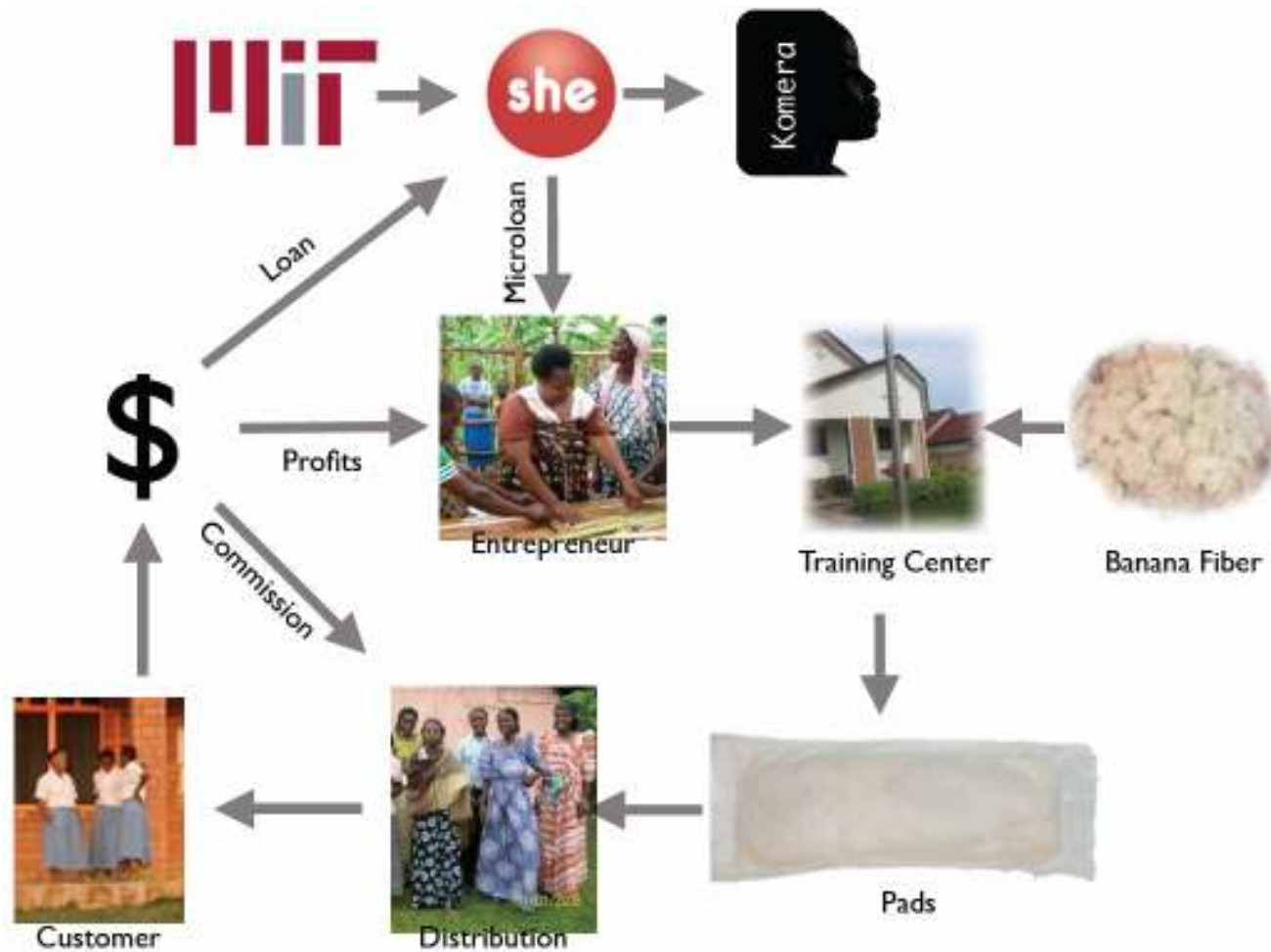
Fabrication
Costs: **\$250**

Materials: **\$1000**

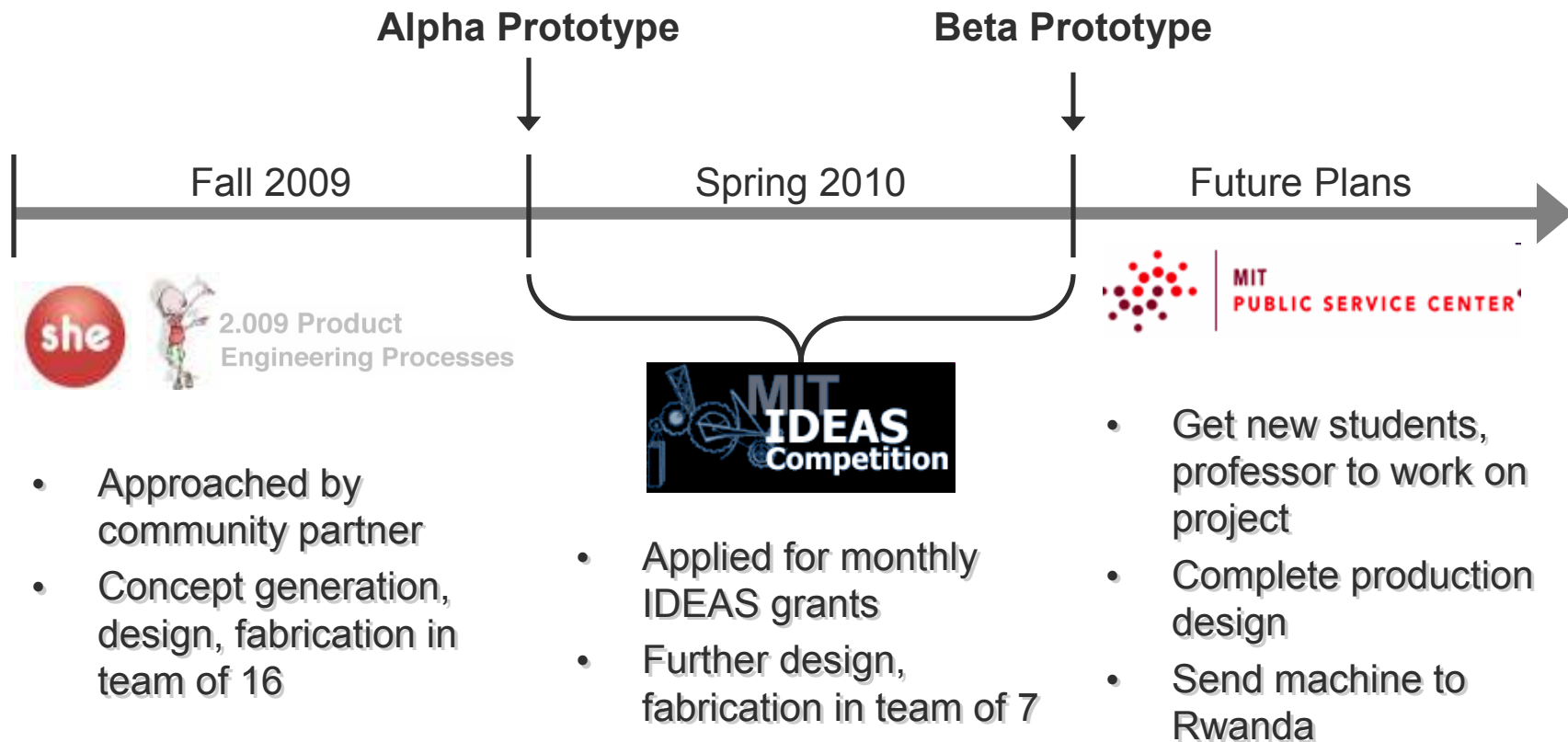
Total: **\$1250**



Social Entrepreneurship



Future Goals





Looking forward...

How do we bring Kamera to Rwanda?

How do we get it manufactured?

How do we scale up?

How do we transition a new group into the project?

How do you give social entrepreneurship experience to a young team?



MIT
PUBLIC SERVICE CENTER



Amrita Saigal, Zach Rose, Katie Smyth

August 2, 2010