

**BACKGROUND**

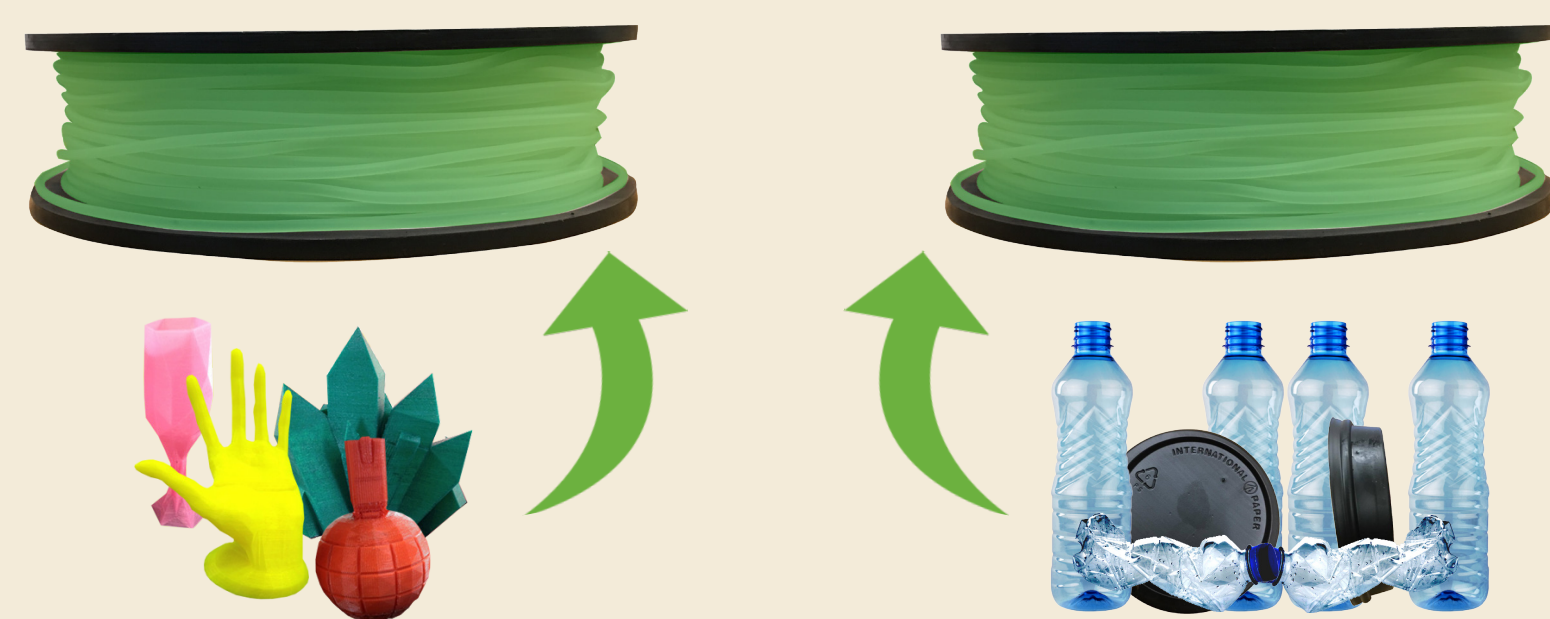


The energy and environmental costs of manufacturing, shipping, and discarding plastic products puts tremendous strain on the earth's biosphere. Personal 3D printing, in conjunction with in-house recycling of the plastics used, are poised to change the consumption patterns of the general public.

**GOAL**

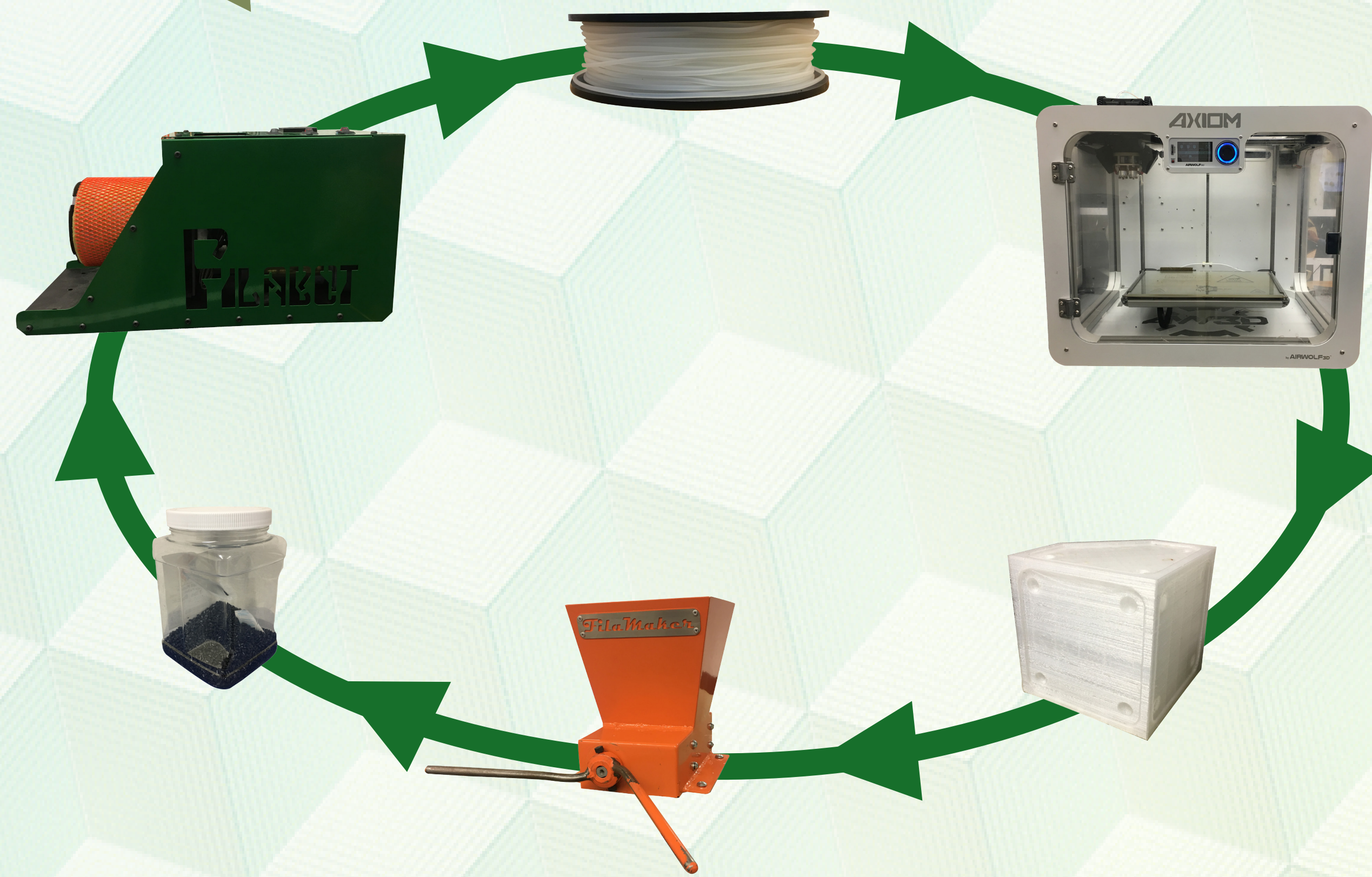
This project will design and implement plastic recycling processes in response to consumer 3D printing.

Produce two (0.5kg) spools of filament from both 3D printing waste and commingled plastic waste

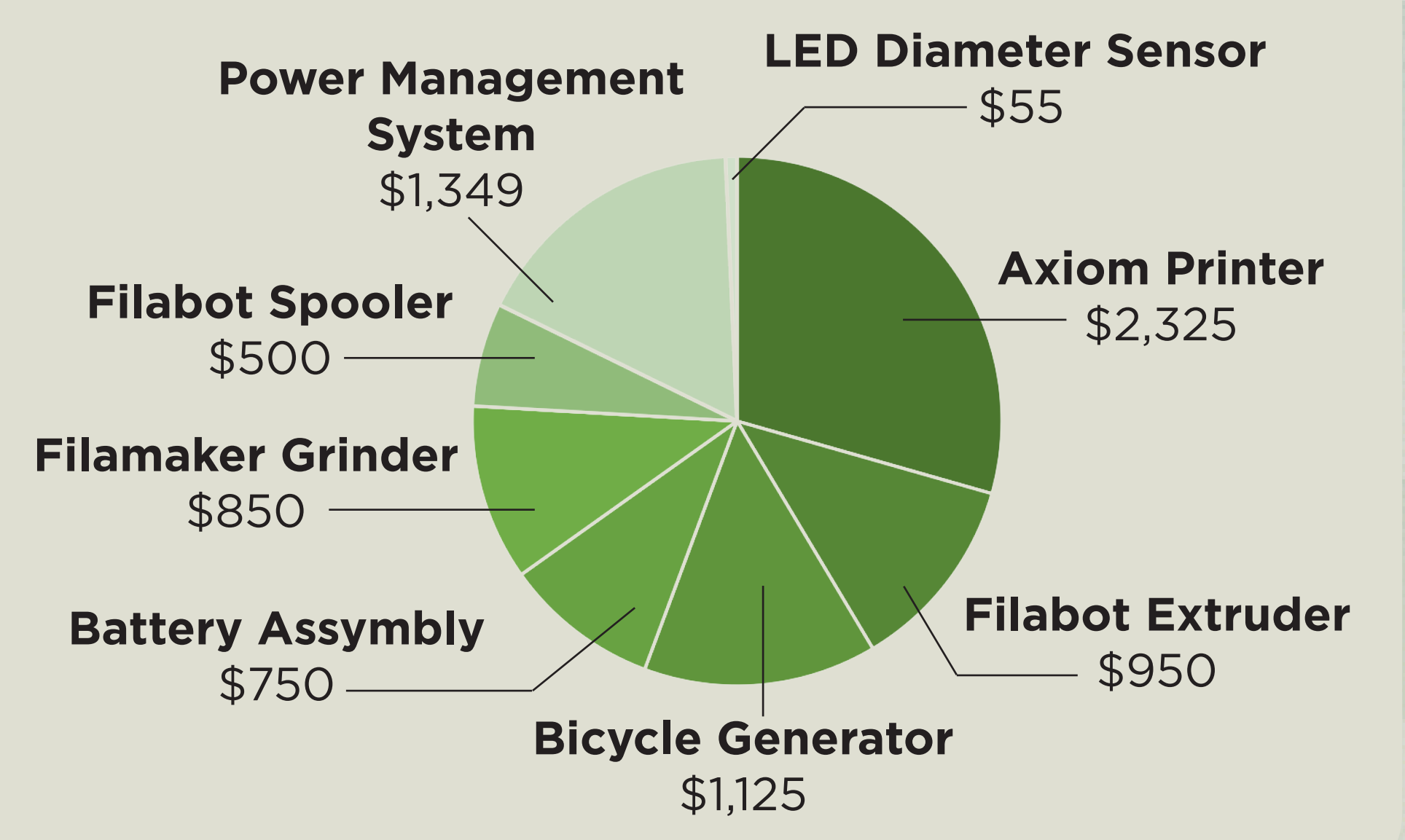


# RENEW 3D PRINT

Advisors: Mark Walter and Jesse Jackson

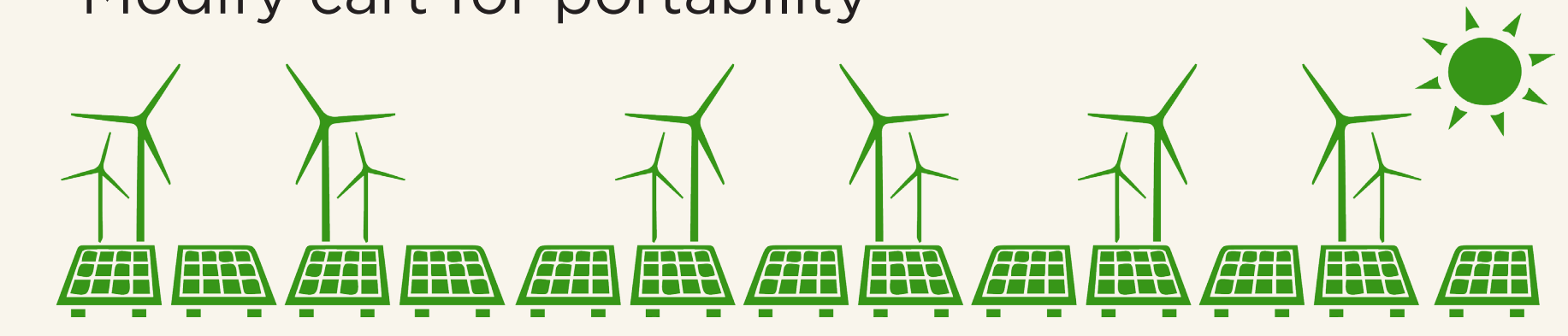


**BUDGET - \$7,904**



**NEXT STEPS**

- Implement renewable power
- Power feedback system
- Modify cart for better insullation
- Modify cart for portability



**SUBTEAMS**

*Consistent Grind*

*Gap Optimization & LED Sensor*

*Hydrolysis*

**TIMELINE**



**THE TEAM**



- |                      |                |
|----------------------|----------------|
| Tucker Moody         | Ivette Morales |
| Ian Pareja           | Will Amos      |
| Andrew Hnat          | Aldrin Lupisan |
| Christian Datu       | Sharon To      |
| Derek De Los Angeles |                |

