# Bamboo Cargo Bike - Changing the World, One Bike at a Time Supervisor: Dr. Eral Bele





#### The Problem

**BAMBOO FRAME** 

SAFETY FACTOR

Poor transportation limits the total income of the farmers due to the limited quantity of produce that could be transported. Furthermore, products could be damaged during the journey using conventional methods.

# The Solution

The cargo bike aims to replace head porterage, which is severely limited in load capacity, donkeys, which incur high maintenance costs, as well as motorcycles, which are very expensive. The cargo bike is designed with customers' needs in mind, with a load capacity

### **Business Plan**

On-site Production: the setting up of a production line, sourcing materials and components from local bamboo farms and other local businesses. The local assembly ensures the quality of the product, thus ensuring the health and safety of the users, whilst boosting the local economy.



Hemp Fibre & Resin

**JOINTS** 

ess Resin Used



## **VACUUM INFUSION PROCESS**

# Engineered to last





# Rear Loading Design For more stability and less complexity





# Hemp-Resin Composite

Strong, tough and lightweight

7-Speed Gearing Comfortable and versatile cruising

Sustainable & Green

Less Carbon footprint than a traditional bike

# PARTNER & SPONSOR

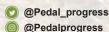




## **EVENT-**

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