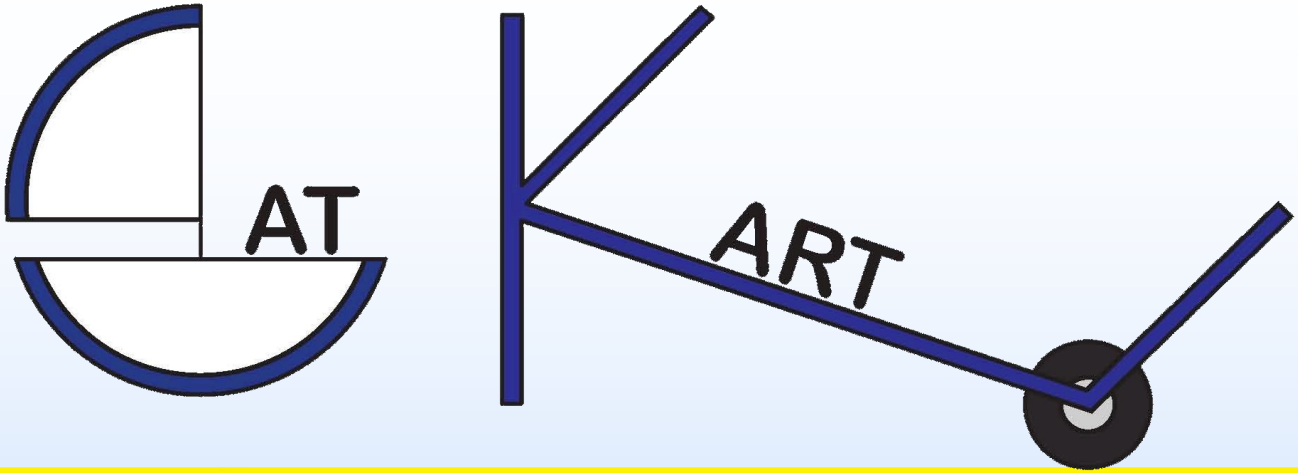


EnPRO 497-352

Battery-Powered Transport for Beach Launched Boats

Presented By:

Raghuveer Cumar
Mary McCabe
Greg Tatkowski
Bill Watts

Problem

- Transporting boats across sand beaches is physically challenging
- Current approach requires several strong adults to move the boat from storage to the water

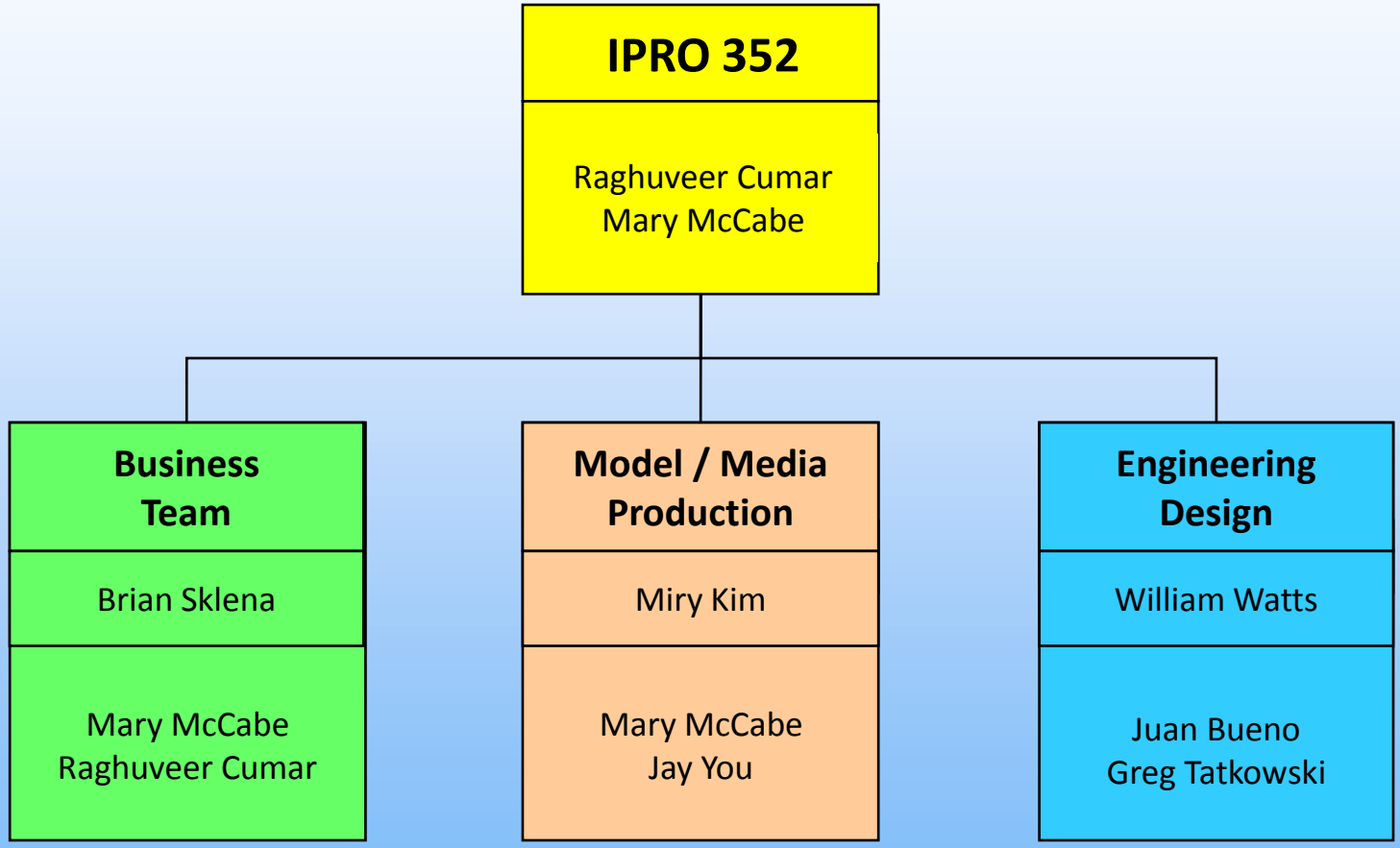
Proposed Solution

- Work together towards an innovative catamaran transporter design efficient enough to be operated by one individual
- Dramatically reduce physical labor

Objectives

- Design, build and test a prototype that permits single-handed operation
- Investigate the business potential of the product
- Construct an informational website

Organization Charts

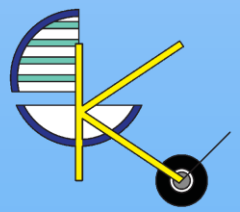


Major Tasks

- **Engineering Team:**
  Cat Kart Design, Calculations, Prototype Construction

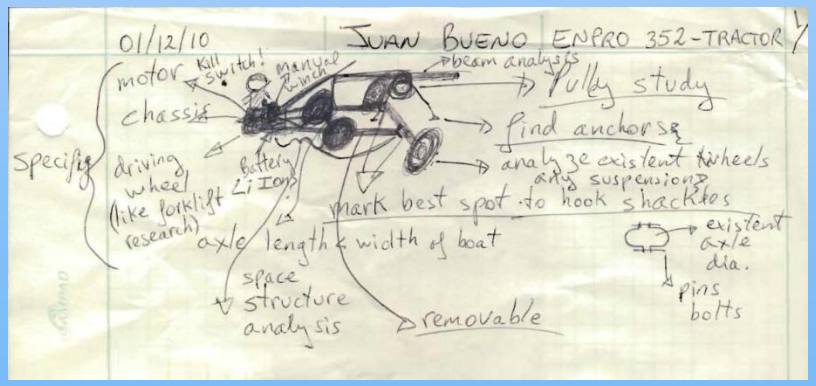
- **Model/Media Production Team:**
  Logo Design, Project Plan, Scaled Model, Computer Drawings, Promotional Materials, Video Production, Website Design

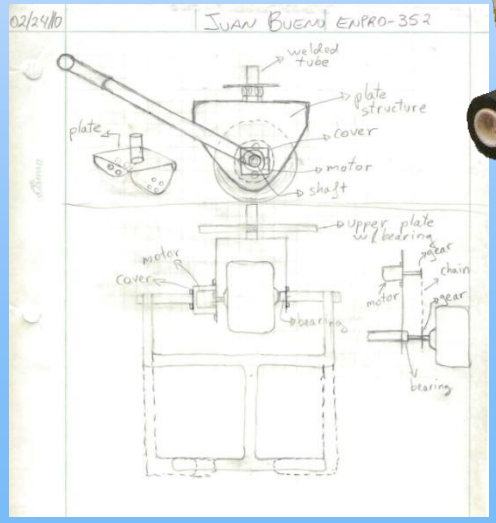
- **Business Team:**
  General Market Research, Surveys/Interviews, Find Target Consumers, Develop Marketing Materials, Pricing



Progress To Date

- Completed Design of Prototype
- Selected Materials
- Designed Logo
- Launched Beta Website
- Created Survey/Interview

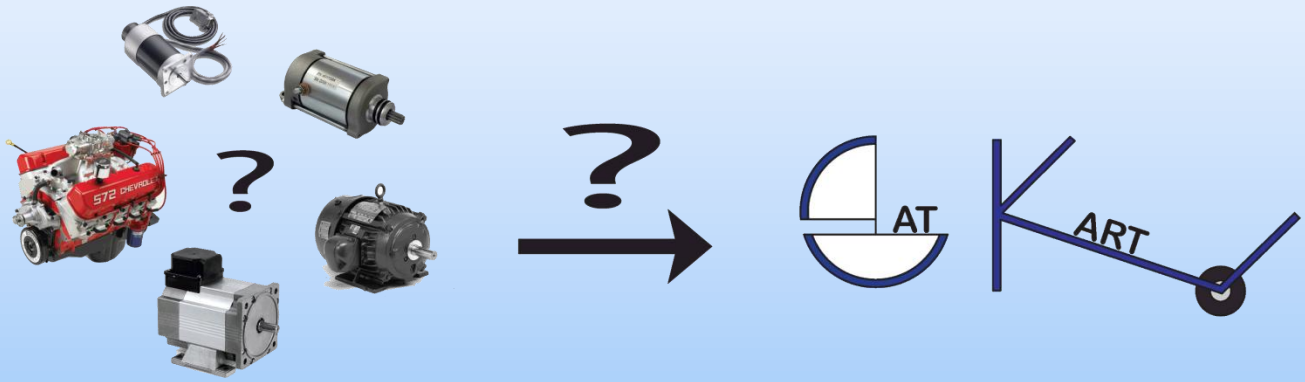




Obstacles Encountered

Engineering Team

- Problem: Selection and attachment of the motor to the Cat Kart



Business Team

- Problem: Availability of satisfactory secondary data
  Access to the survey audience
  Availability of information on catamarans

Potential Problems

- Staying within budget
- Overseas delivery of motor
- Poor weather conditions
- Lack of response to survey

Request for Help

- Access to Tools & Machinery
  - Cutting Torch
  - Drill Press