
INTEROFFICE MEMORANDUM

TO: PROFESSOR LONNY GRAFMAN

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SUBJECT: TEAM ATLAS SECTION 2 COVER MEMO

DATE: FEBRUARY 27, 2022

Purpose

This memo describes the decisions of team ATLAS considering the problem analysis of the process of building a solar powered battery charger. Specifically, this section will summarize the specifications, considerations, and criteria of the problems surrounding the team's potential solution. Additionally, the next step actions will be stated now that situational understandings have been formulated.

Discussion

Team ATLAS has unanimously decided that the specifications of our project were the requirements needed to meet expectations of the client Appropedia. Therefore, the project system must be photovoltaic, usable always in the day and night, it must charge laptops and smartphones, it must be open sourced and within budget.

Considerations are intended to support the specifications of the project considering restraints such as understanding that there are variable solar days and weather conditions for recharging the battery system. It is also important to consider that the global audience may experience different climates based on various regions. Additionally, certain regions might restrict access for delivering specific components via website purchases. A budget of \$200 is considered reasonable for individuals with low income.

Criteria subjects have also been formulated. It is intended to focus on maximizing charging efficiency, cheap materials/cost, durability, portability, reproducibility, and aesthetics. It is anticipated to compete with current commercial products and improved with future replicability.

Action

With specifications, considerations, and criteria formulated, team ATLAS is focused on understanding the components needed to successfully execute these project goals and requirements. Therefore, further knowledge towards similar projects is needed along with the weighted criteria provided by input of each team member.

Additionally, solidifying the literature conducted is important for improvement as the credibility of our final product is based on the decisions made from literature review research. Interviews and observations must also be considered and further conducted to increase the data on product analysis.