Problem Statement

- The current water collection device does not do the intended job of collecting water. The system leaks and does not store the water properly. The biggest problem to solve is how to collect water without the device leaking or shorting out as well as making sure the containers are secured. The biggest benefit to the sponsor would pertain to him having a working prototype.

Requirements

- Key Requirements of device
  - Collect water samples
  - Water resistant
  - Lightweight
  - Accessible
  - Easy to use

Concepts

Results

- The device can collect water before the controller resets and puts it in a loop between keeping pump 1 running or occasionally running pump 2 before resetting.

Summary

- The team that was able to create a prototype of a device that is user friendly and easy to use that only needs to be improved in water proofing and electronics
- The device can collect water

Team & Acknowledgements

- Francisco Cazares - ECET
- Daniel Dowling - ECET
- Brian Johnson - ECET
- Isaiah Lipscomb - ET
- Zachary Ilch - ET
- Patrick Gardner – Mentor & Sponsor