

# HANDHELD FISHING LAUNCHER FOR DISABLED VETERANS



Team FISH (Fishing Innovations for Service Heroes)



# QL PLUS

## Meet the Sponsor

Quality of Life Plus (QL+) is a national non-profit organization that provides personalized engineering solutions to promote independence, mobility and activity participation, enhancing the quality of life for disabled veterans and first responders.

## Meet the Team



**Sonia Maldonado**  
Team Lead



**Cristi Salgado**  
Electrical Lead



**Fernando Juarez**  
Design Lead



**Omar Krichati**  
Manufacturing Lead

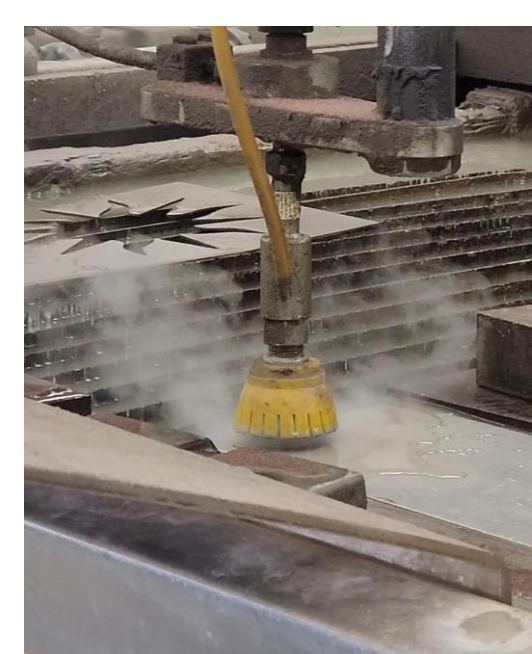


**Max Brown**  
Analysis Lead

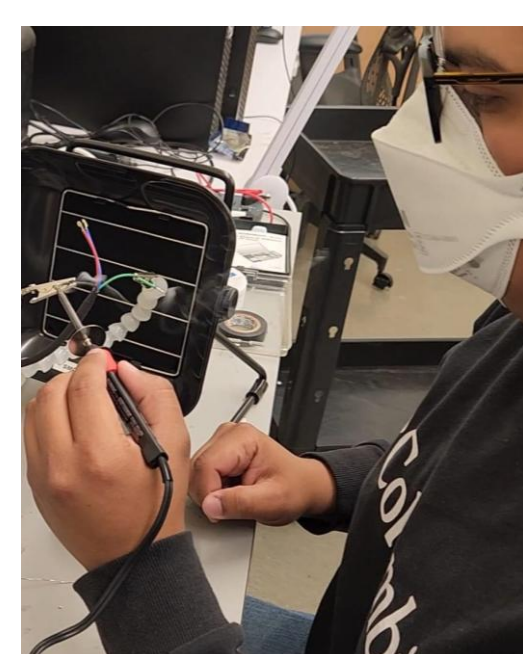
## Project Overview

Team FISH was tasked with creating an adaptive fishing device for incomplete-quadruplegic veterans. The device assists with safely casting and retrieving lures, rigs, and fish with minimal physical strain.

## Manufacturing



Waterjet



Soldering

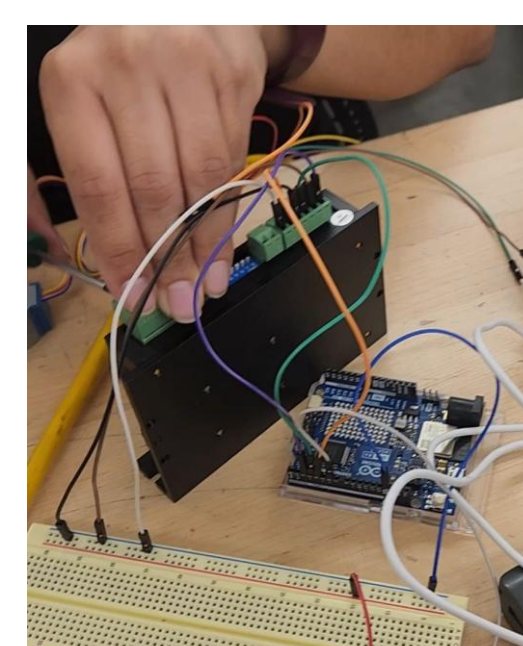


3D Printing

## Prototyping



Sketching



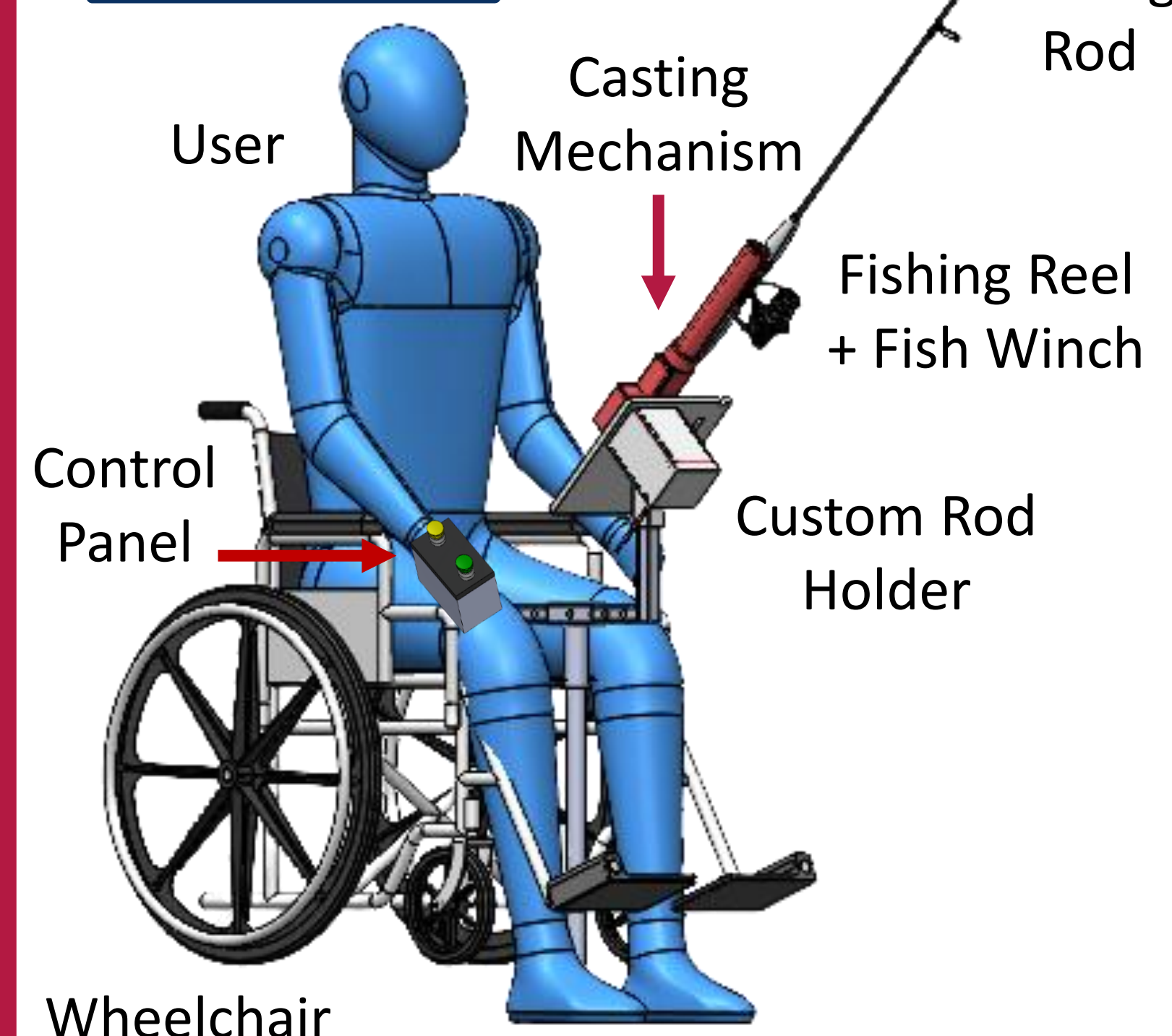
Testing



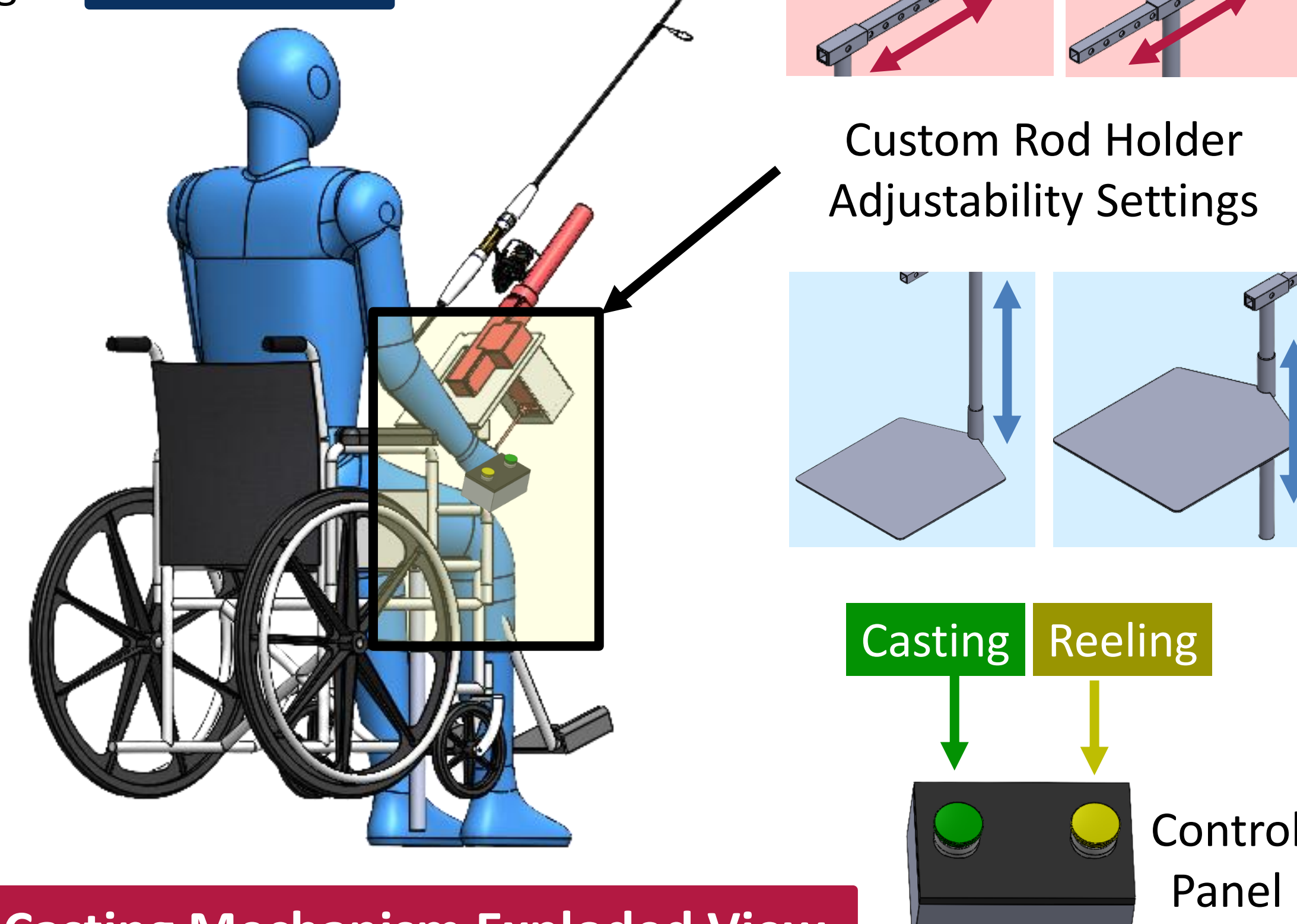
3D Printing

## Final Design

### FRONT VIEW

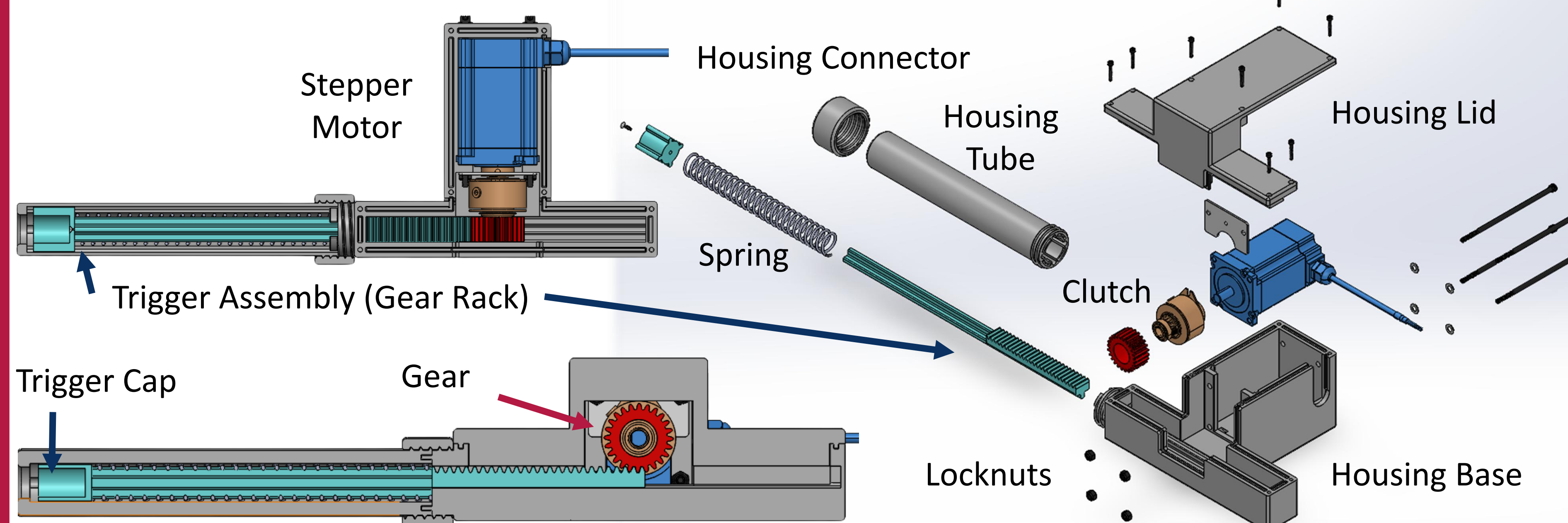


### BACK VIEW

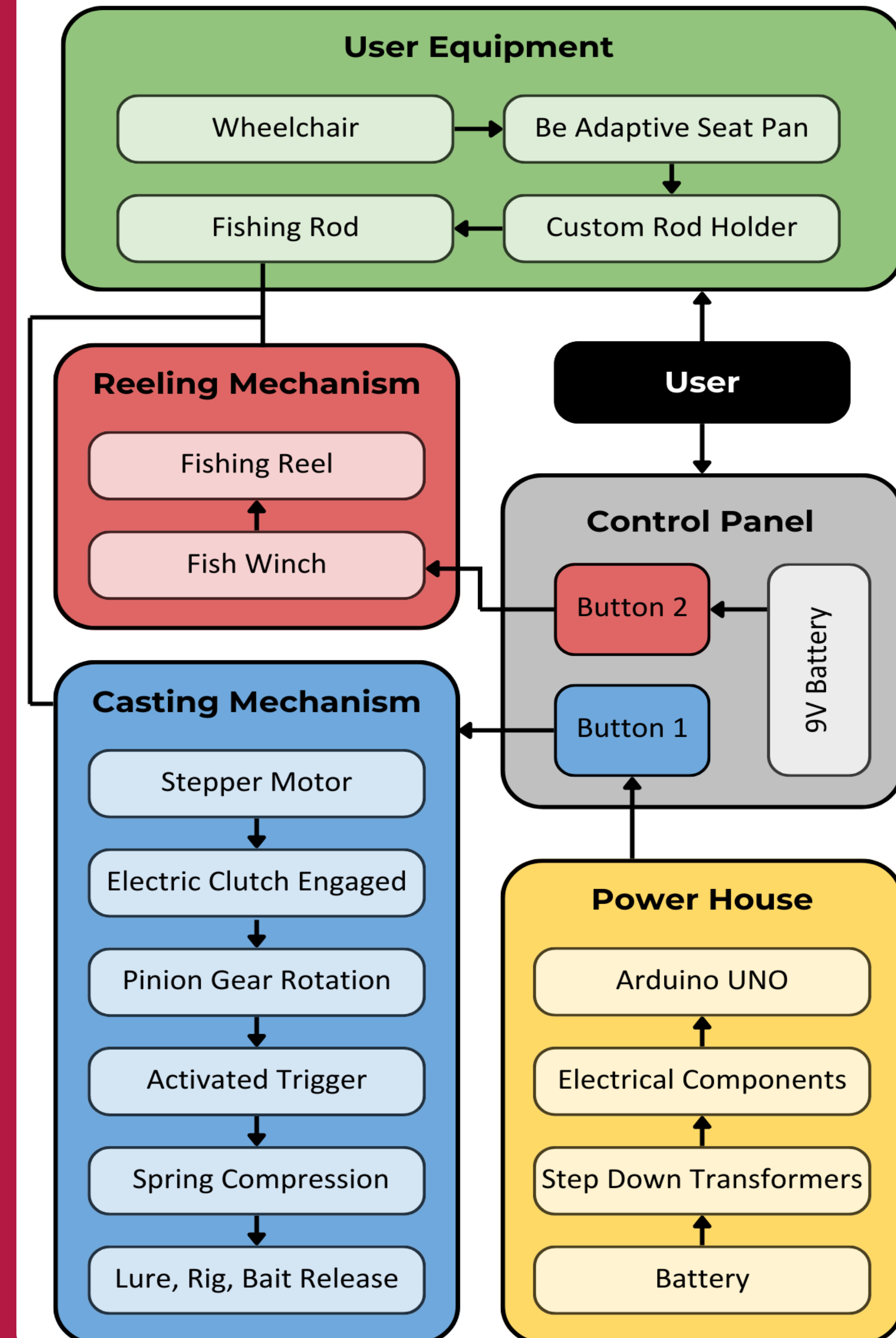


### Casting Mechanism Sectional Views

### Casting Mechanism Exploded View



## System Level Diagram



## Acknowledgements

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