

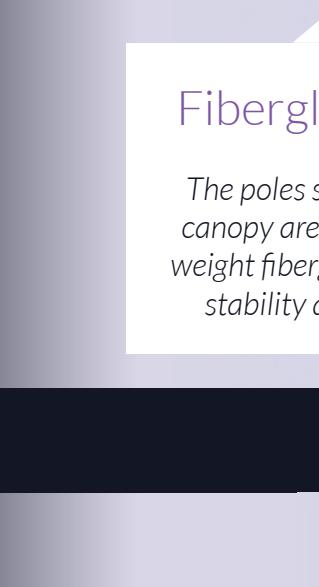
Automated cover for power wheelchair users

2.009 Purple Team - Fall 2016  
dryve.io

## Features

### User Interface

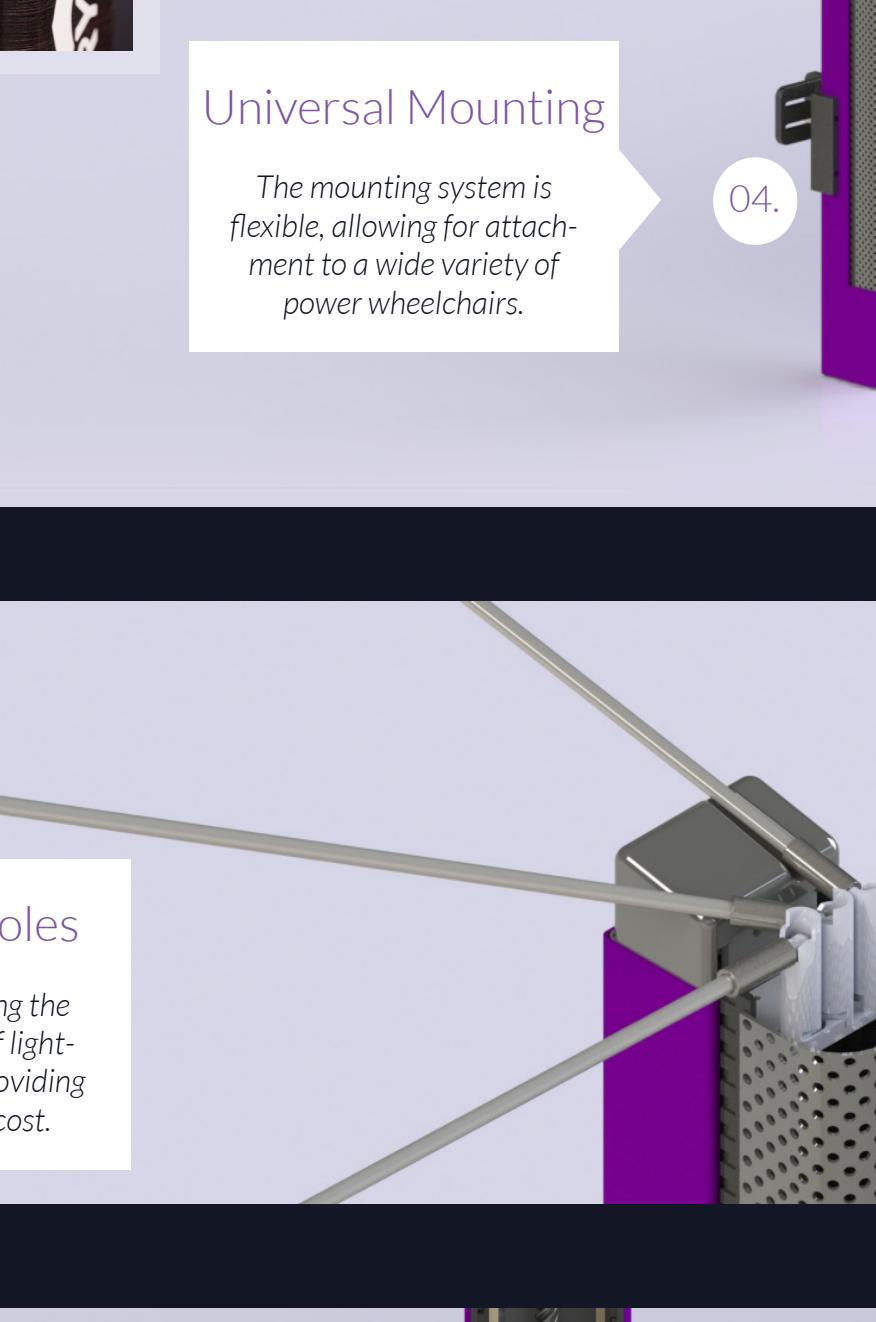
Intuitive buttons with a low force threshold make it easy for a user to deploy DRYVE.



### Universal Mounting

The mounting system is flexible, allowing for attachment to a wide variety of power wheelchairs.

01.



### Ripstop Nylon

The canopy is made of polyurethane coated nylon - it is sturdy, waterproof, and able to withstand the elements.

02.

### Mesh Casing

Aluminum mesh casing on the back of the enclosure prevents rust and allows for water drainage.

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### Fiberglass Poles

The poles supporting the canopy are made of light-weight fiberglass, providing stability at a low cost.

05.

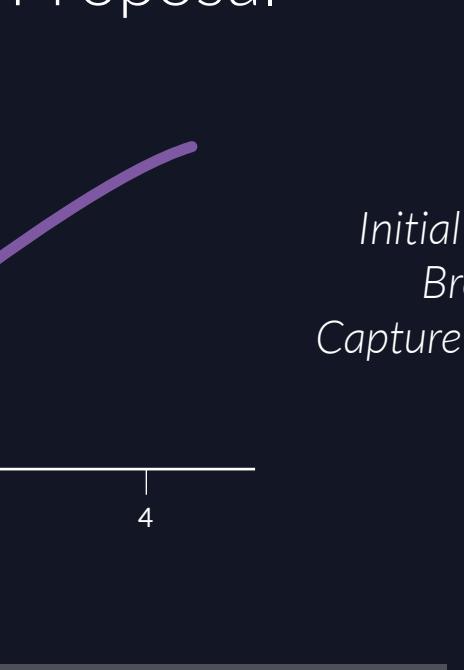
06.

### Hinges

Hinges at the base of each pole are angled to allow the canopy to easily switch between retracted to deployed state.

### Lead Screw

The canopy is actuated with a lead screw, which rotates to provide quick and reliable deployment and retraction.



07.

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09.

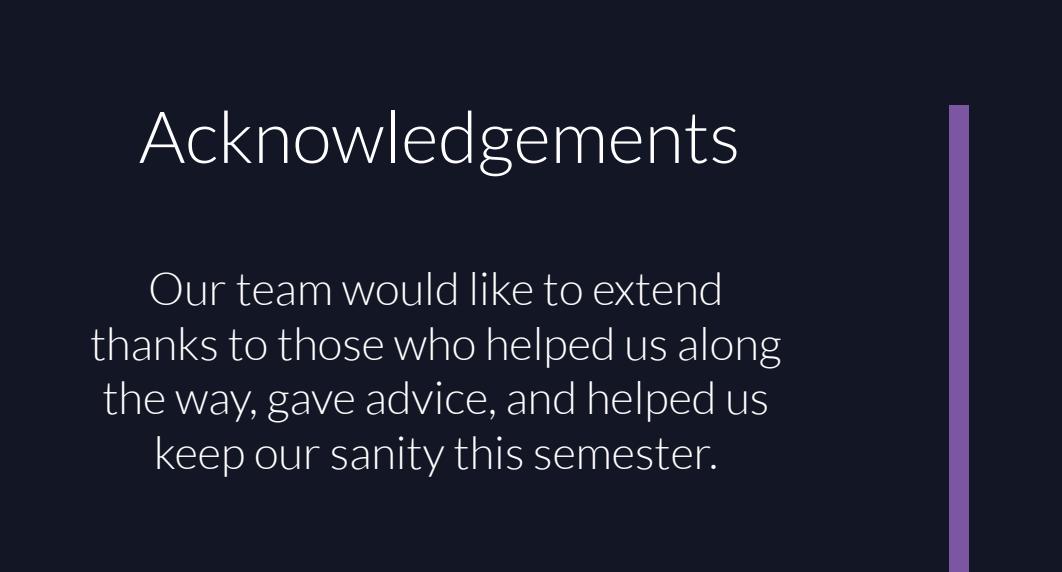
### Guide System

The platform attached to the canopy is directed with guide rails within the enclosure, and has chamfered slots to prevent poles from rotating once deployed.

### Motor Housing

The motor and battery are enclosed in a sealed waterproof casing, which meets Ingress Protection Standards, to prevent water damage.

## Our Proposal



Initial investment of **\$600,000**  
Breakeven during year **2**  
Capture **4%** of the market by **year 4**

## Acknowledgements

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