

Purchase List

Broad areas to be considered in spreadsheet

1. File Sharing
 - (a) Website
 - (b) Repository (Github)
 - (c) Domain name
 - (d) Cloud Storage
2. Research/licenses
 - (a) IEEE licenses (Pending University enrollment)
 - (b) Australian Standards (Pending University enrollment)
 - (c) MATLAB (Pending University enrollment)
 - (d) Dymola/OpenModelica (Pending University enrollment)
 - (e) EAGLE (Pending University enrollment)
 - (f) Altium
 - (g) AutoCAD (Pending University enrollment)
3. Inverter parts
 - (a) PCBs
 - (b) Components
 - (c) Silicon Carbide MOSFETS
 - (d) HV Capacitors
 - (e) Gate Driver ICs
 - (f) MCU
 - (g) DC/DC Converters
 - (h) Bluetooth/wireless devices
4. Chassis and Hardware
 - (a) Prebuilt frame
 - (b) Steel/aluminum (pending design)
 - (c) Steering wheel
 - (d) Control Panel on Steering Wheel
 - (e) Braking system (pads and hydro potentially)
 - (f) Seat
 - (g) Guards
 - (h) Axel system

5. Batteries

- (a) Recharging station
 - i. PCBs
 - ii. Components
 - iii. Temperature monitoring devices
 - iv. Software
- (b) Lithium Ion cells
- (c) Lead acid

6. Electrics

- (a) Cabling
- (b) Insulation

7. Motors

- (a) Motors themselves
- (b) Frames/mounting