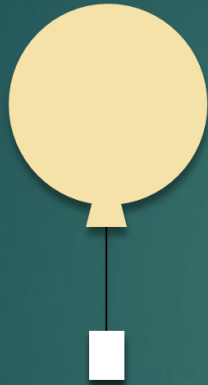


Automated Weather Balloon Launcher

Team Members:

- Neil McHenry
- Nhi (Antoinette) Tran
- Zach McKie
- Chandler Miles
- Jarrod Sweeney

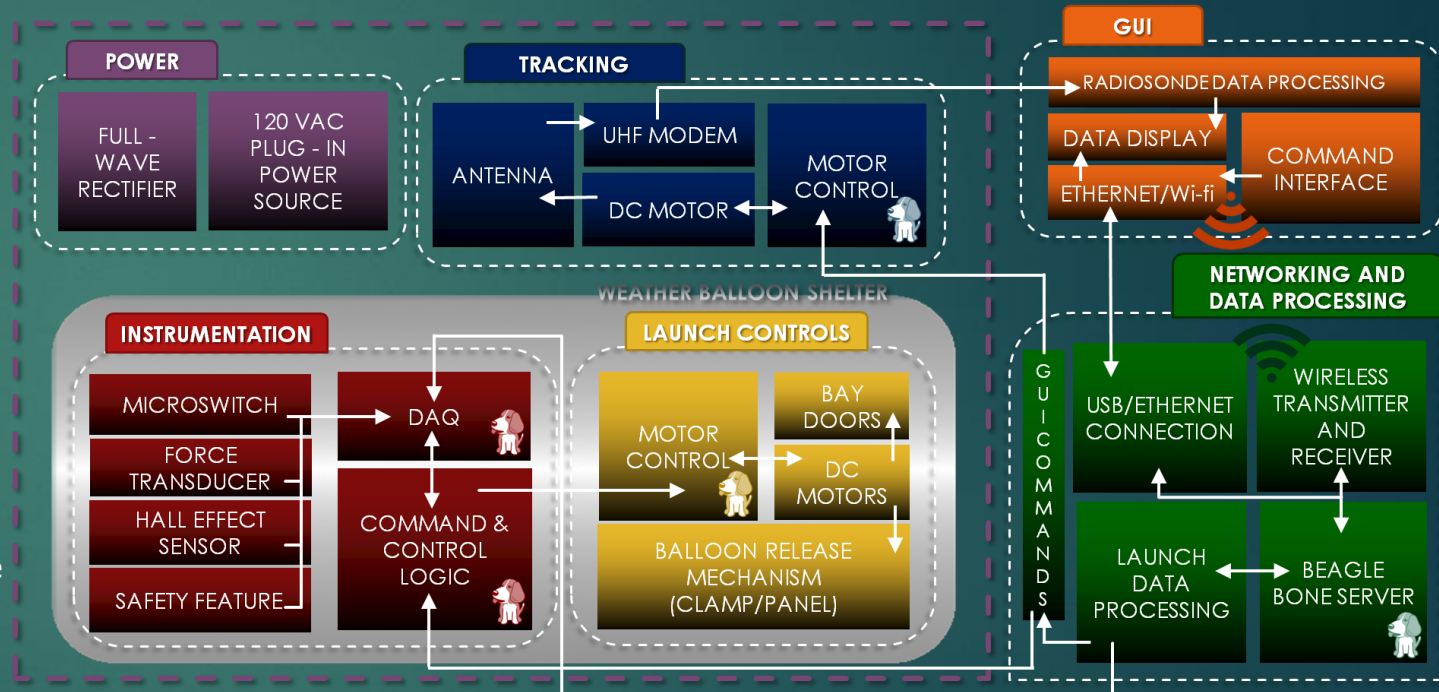


Our Mission:

- Support SpaceX test operations by creating a remotely-controlled weather balloon launching device
- Release three pre-filled weather balloons within a one-hour window
- Transmit real-time weather and launchpad data to SpaceX servers
- Provide a tracking system to receive accurate weather data from the moving weather balloon

Deliverables:

- 120 V AC Plug-in Power Supply
- Deployable Balloon Launch Shelter
- Wireless Command and Data Acquisition System
- Tracking Device



Subsystems:

Power, Launch Controls, Instrumentation, Tracking, GUI, Networking and Data Processing