

Electronics Box

- Plastic Box
- Moog Amplifier
- Raspberry Pi
- Dual Serial Isolator
- Labjack + LJTICK DAC
- (2) DC-DC + Filters
- NAV440 IMU+GPS
- Connectors + Switches
- Internal Lead-Acid Battery

Pole Transducer

- Single Axis
- Larry to add 2nd axis joint

Hydraulic Manifold + Accumulator

- Single Axis
- One Valve

R/V Paragon HPU

- Gas Powered

Paragon HPU work can be done in parallel with Pole work.

Phase 1A

- Single Axis Pitch Control
- Existing Electronics Box (Plastic)
- Existing Pole (with fixed 2nd axis)
- Existing Valve Manifold
- Gas Powered HPU

Phase 1B

- Single Axis Pitch Control
- ** Dual Axis Electronics Box (SS) **
- Existing Pole (with fixed 2nd axis)
- Existing Valve Manifold
- Gas Powered HPU

Phase 2

- Dual Axis Pitch Control
- Dual Axis Electronics Box (SS)
- Existing Pole (with fixed 2nd axis)
- ** Existing Valve Manifold (Modified with 2nd Valve) **
- Gas Powered HPU

Phase 3

- Dual Axis Pitch Control
- Dual Axis Electronics Box (SS)
- Existing Pole (with fixed 2nd axis)
- ** New Valve Manifold ** [12-week lead time on valves]
- Gas Powered HPU

Paragon HPU Upgrades

- DC Brushed Motor
- Rechargeable Battery Pack
- Battery Management System (assuming a Lithium-poly Battery)
- Safety Circuit (Contactor, fuse, blocking diode)
- Shore Side Charging Pack
- 24V, 36V, or 48V system



Schematic Name: Block Diagrams			
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