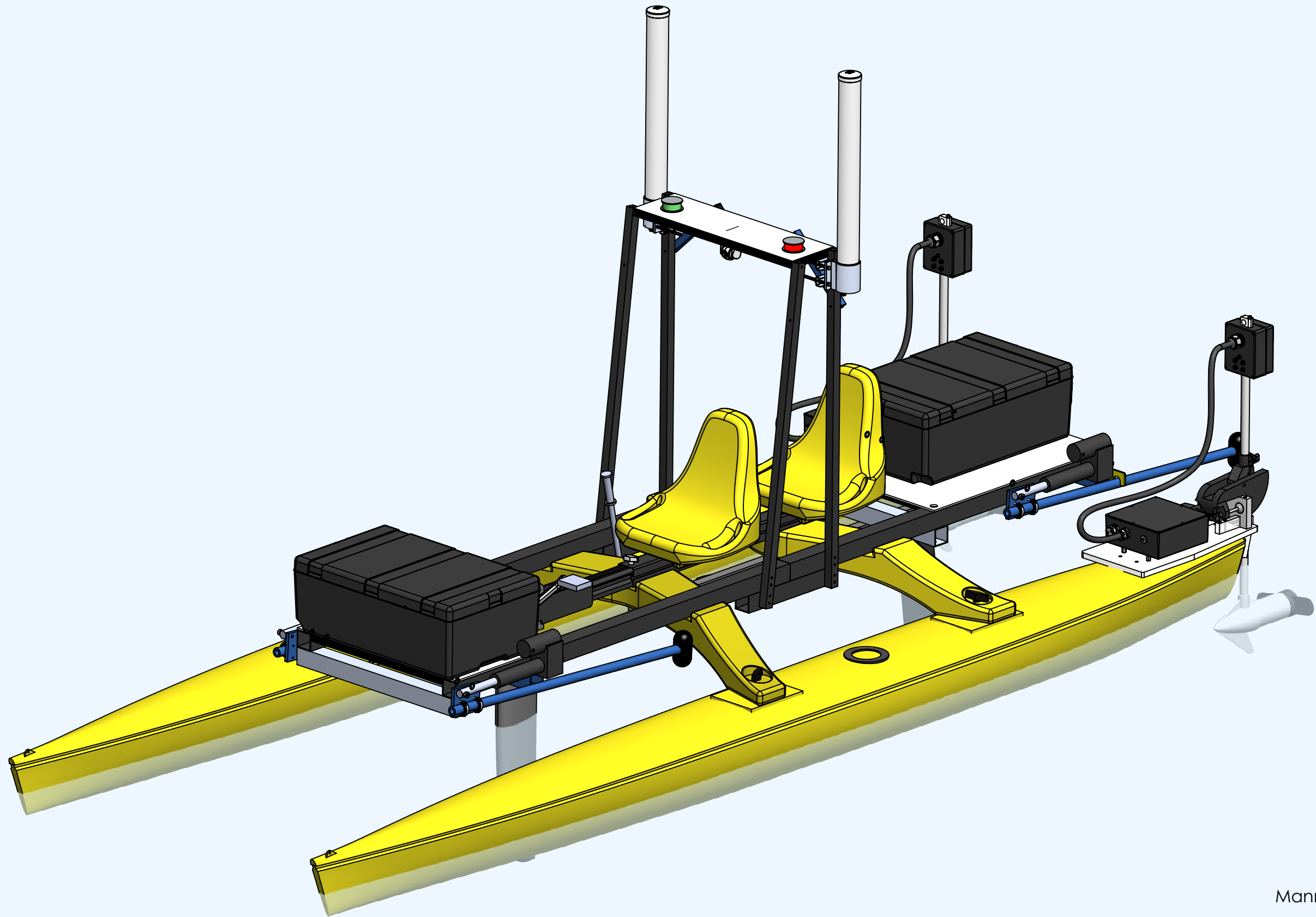


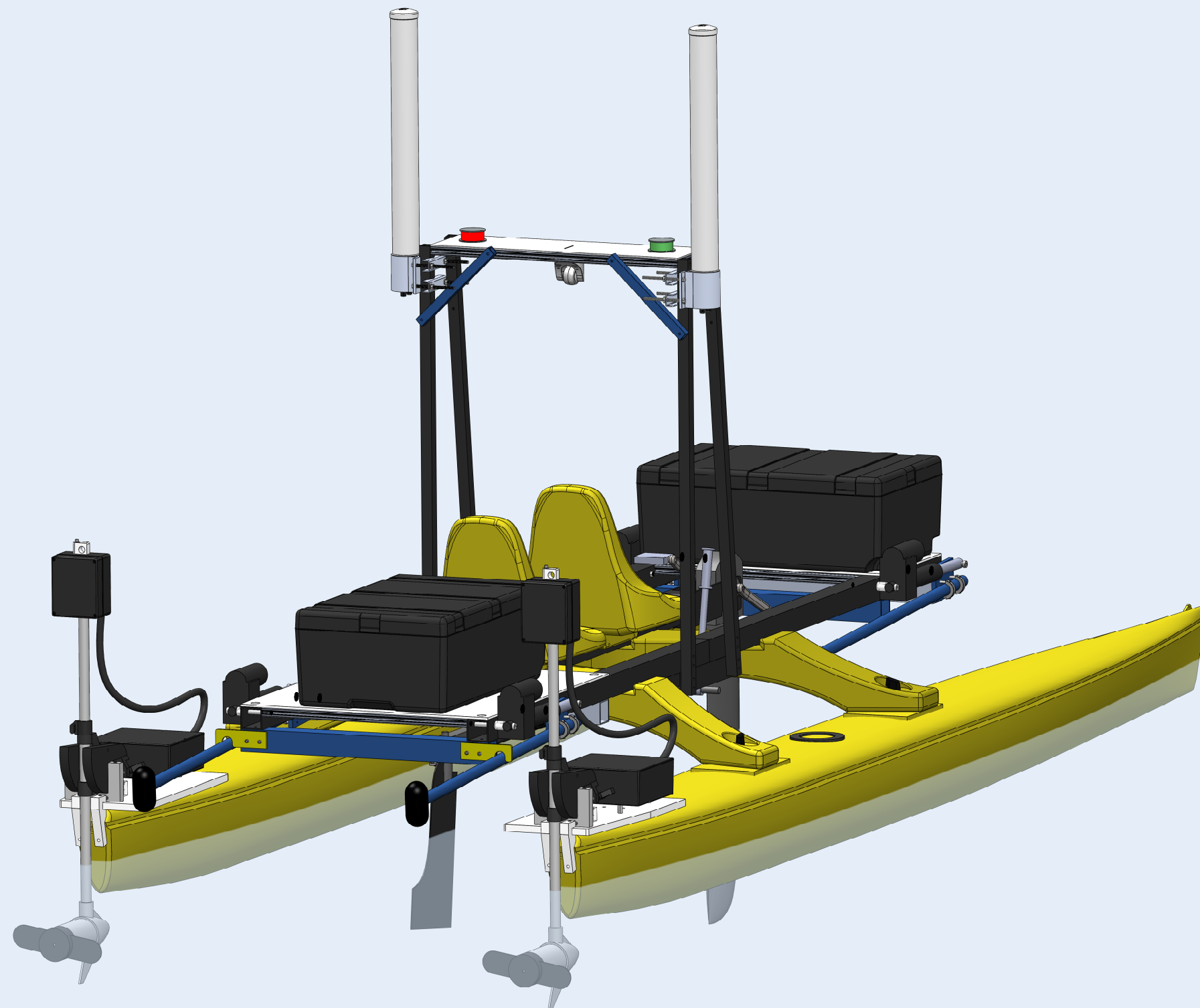
RoboDolf

Design Revision 1

Sammut Tech LLC
10/2/15

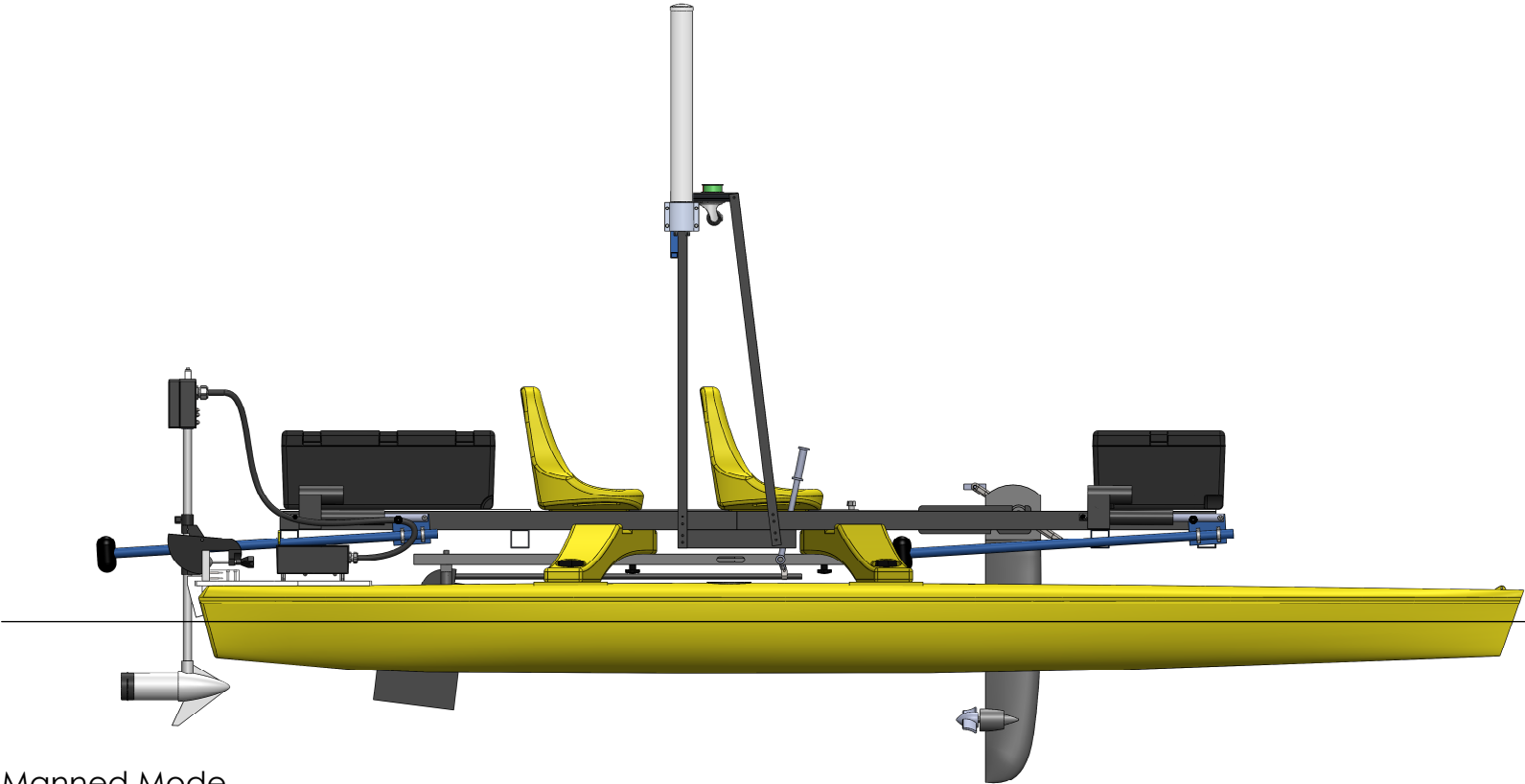


Manned Version Shown

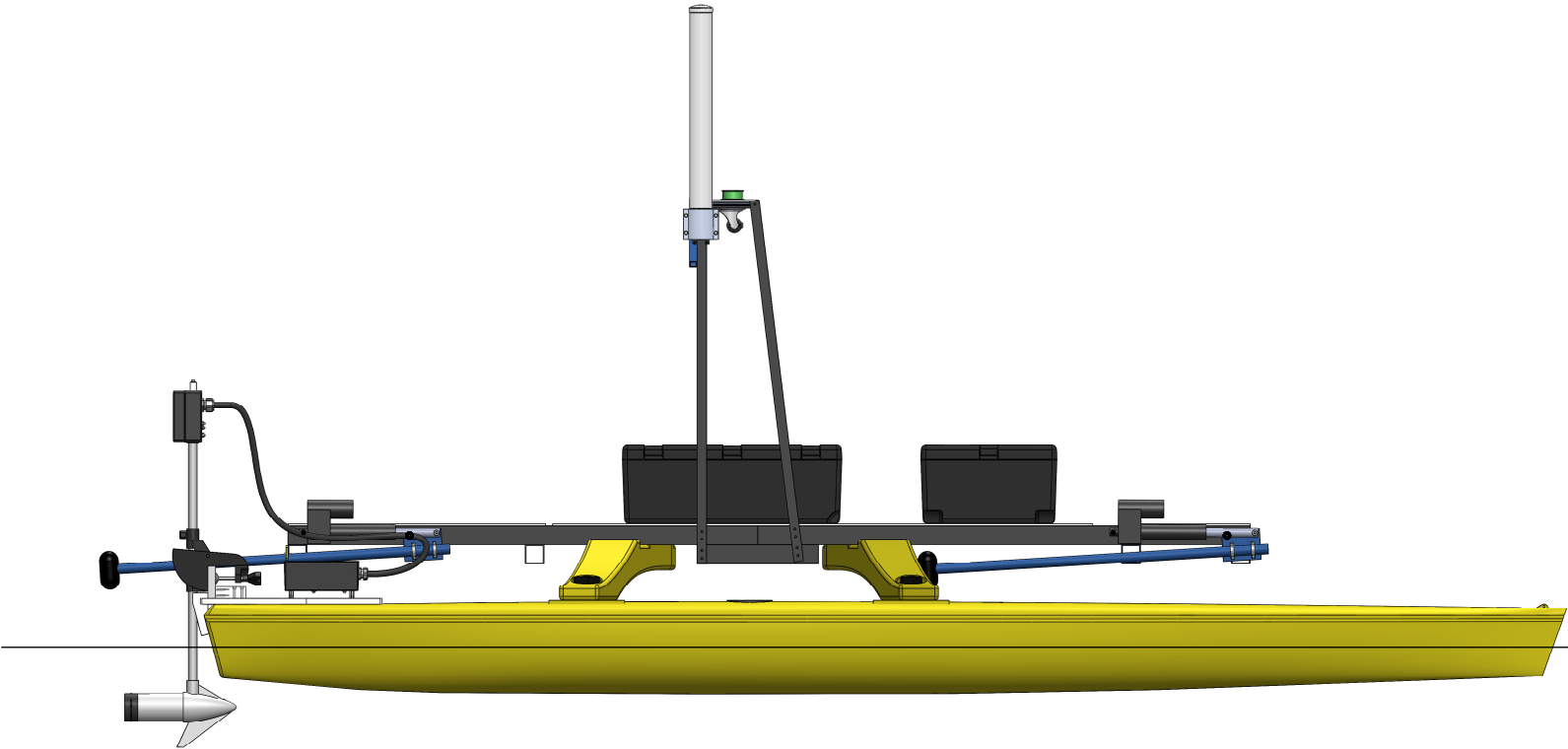
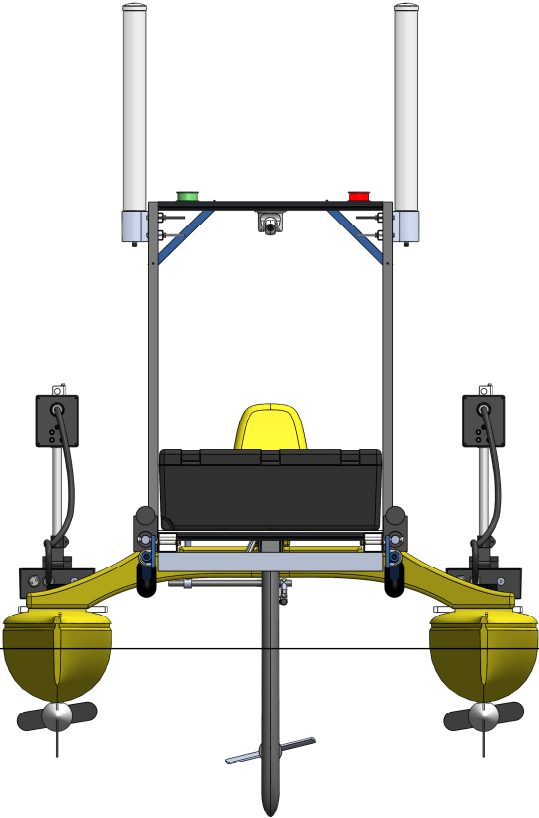


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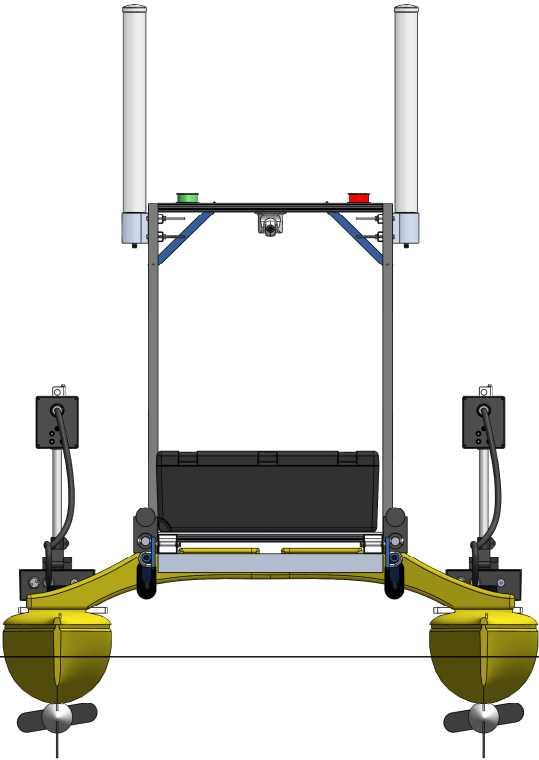
Two Configurations, Manned and FullRobo



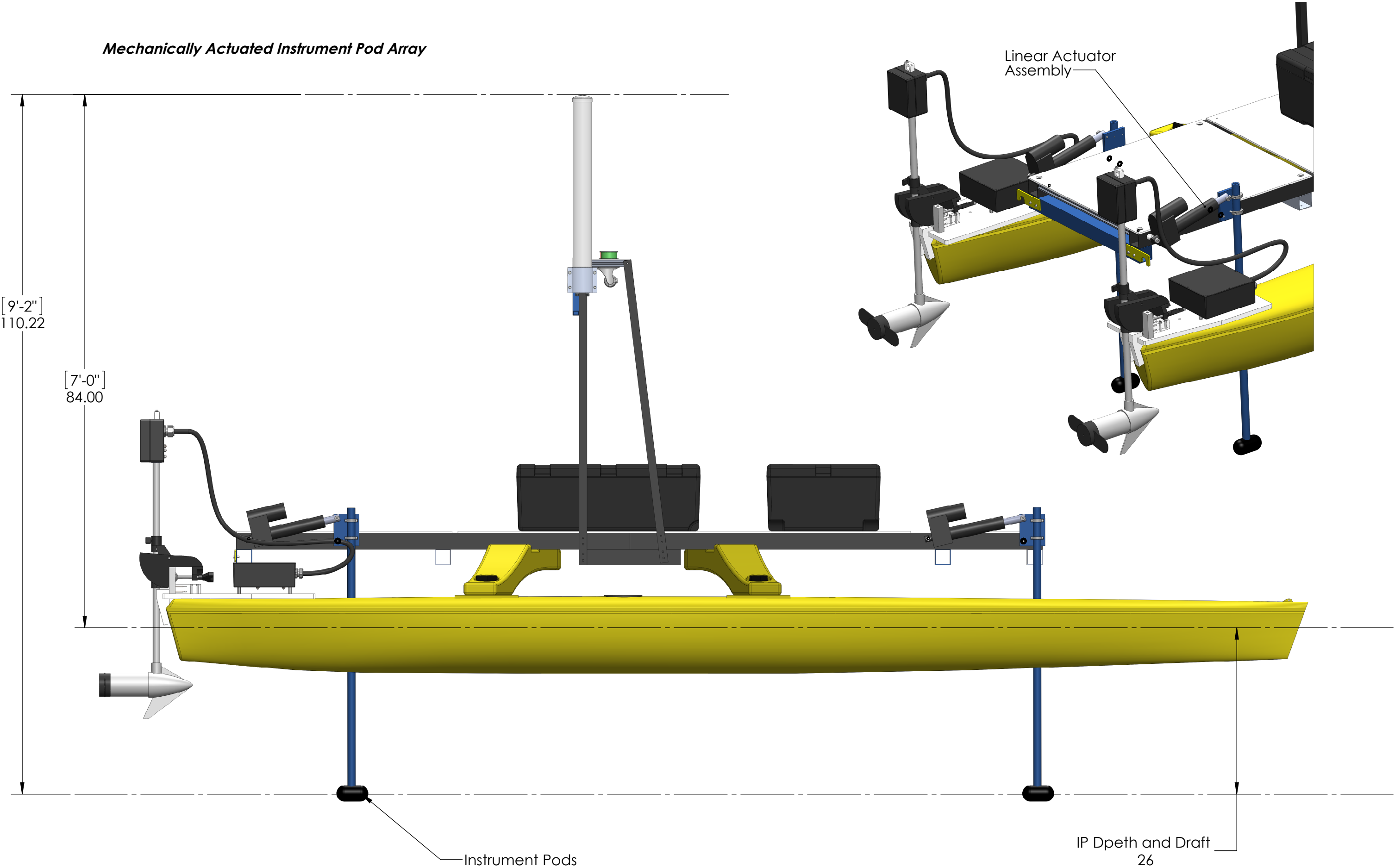
Manned Mode



FullRobo Mode

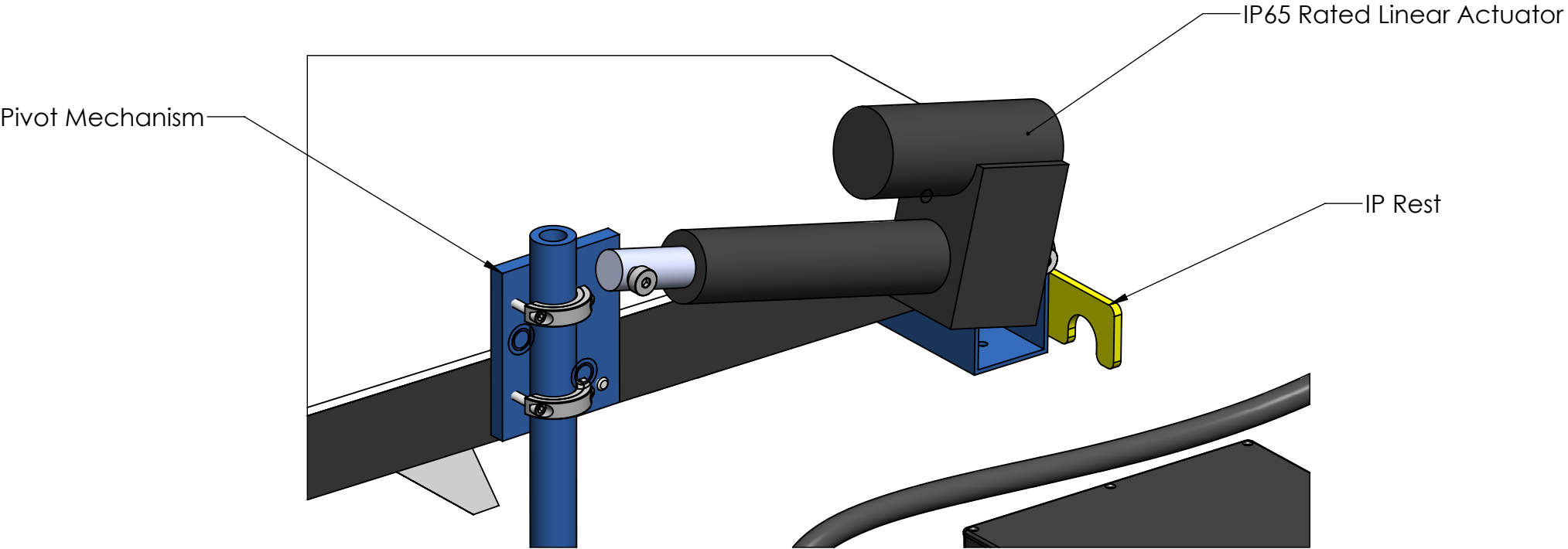


Mechanically Actuated Instrument Pod Array

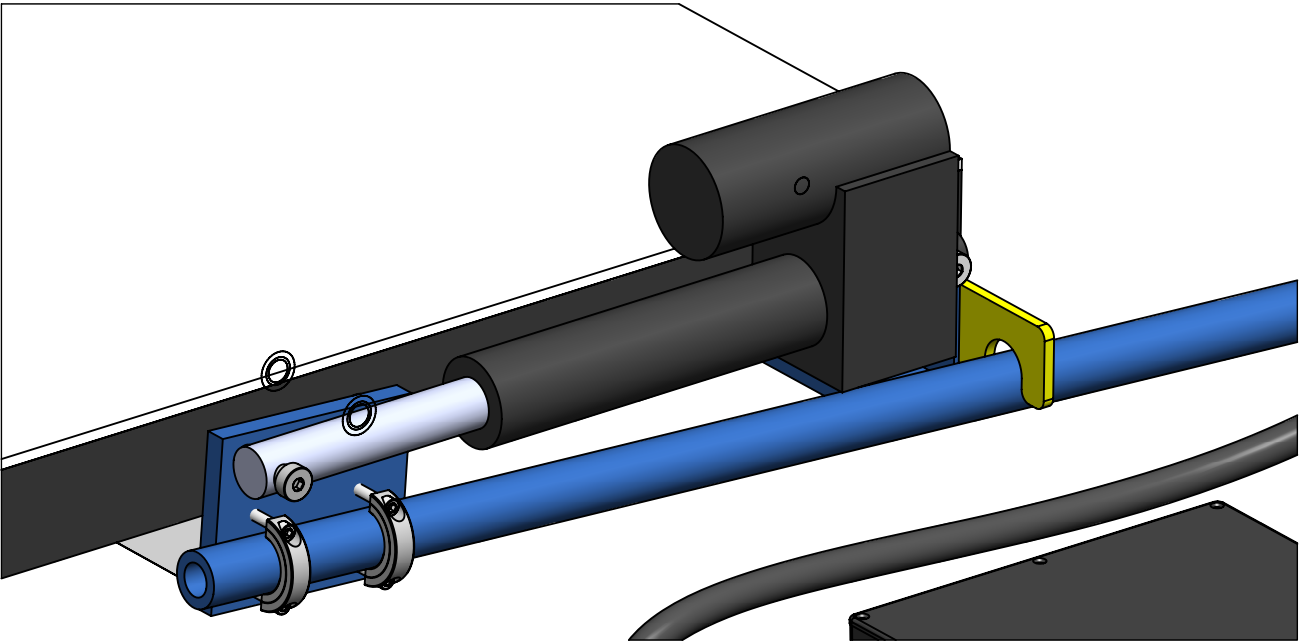


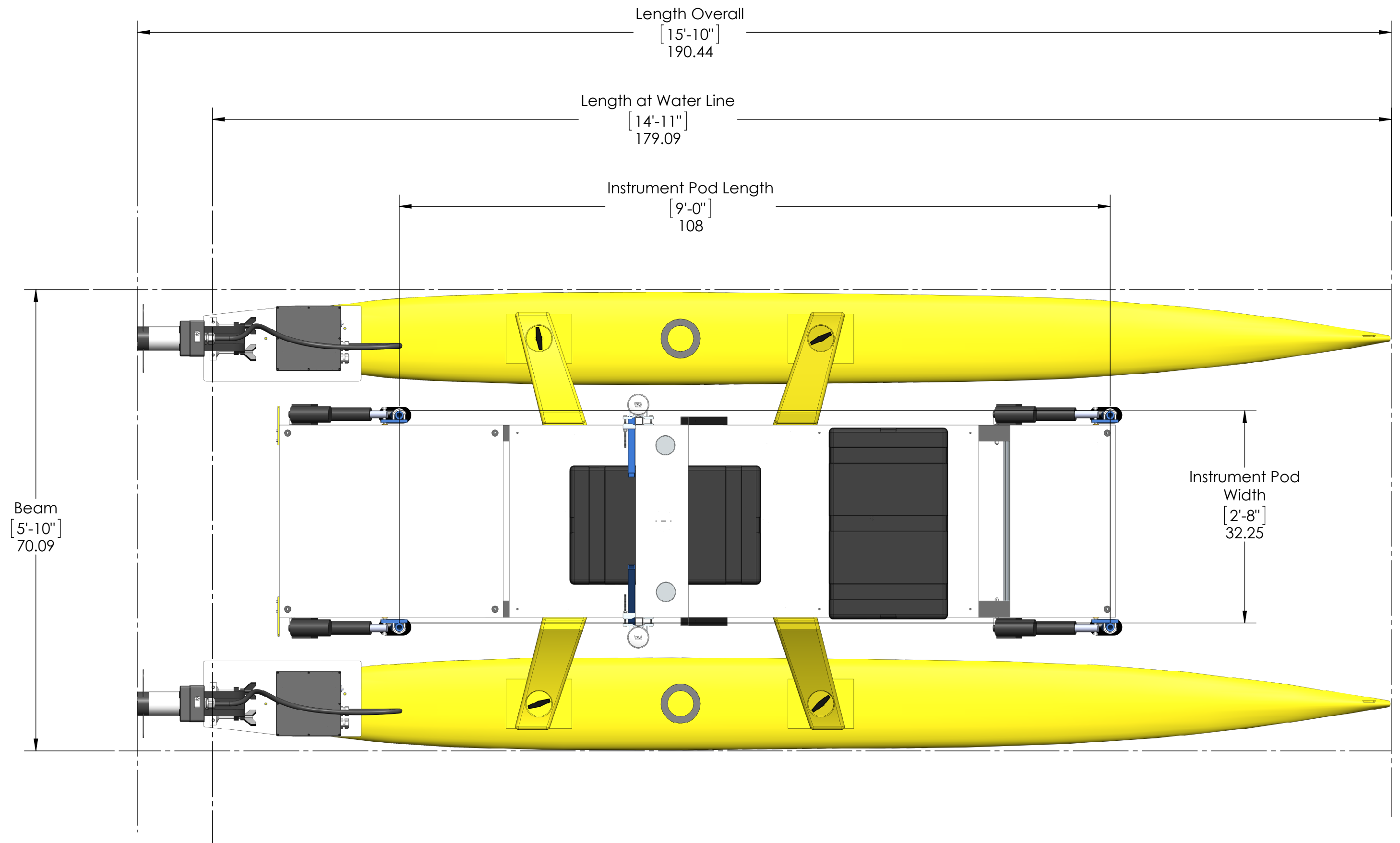
Instrumentation Pod (IP) System

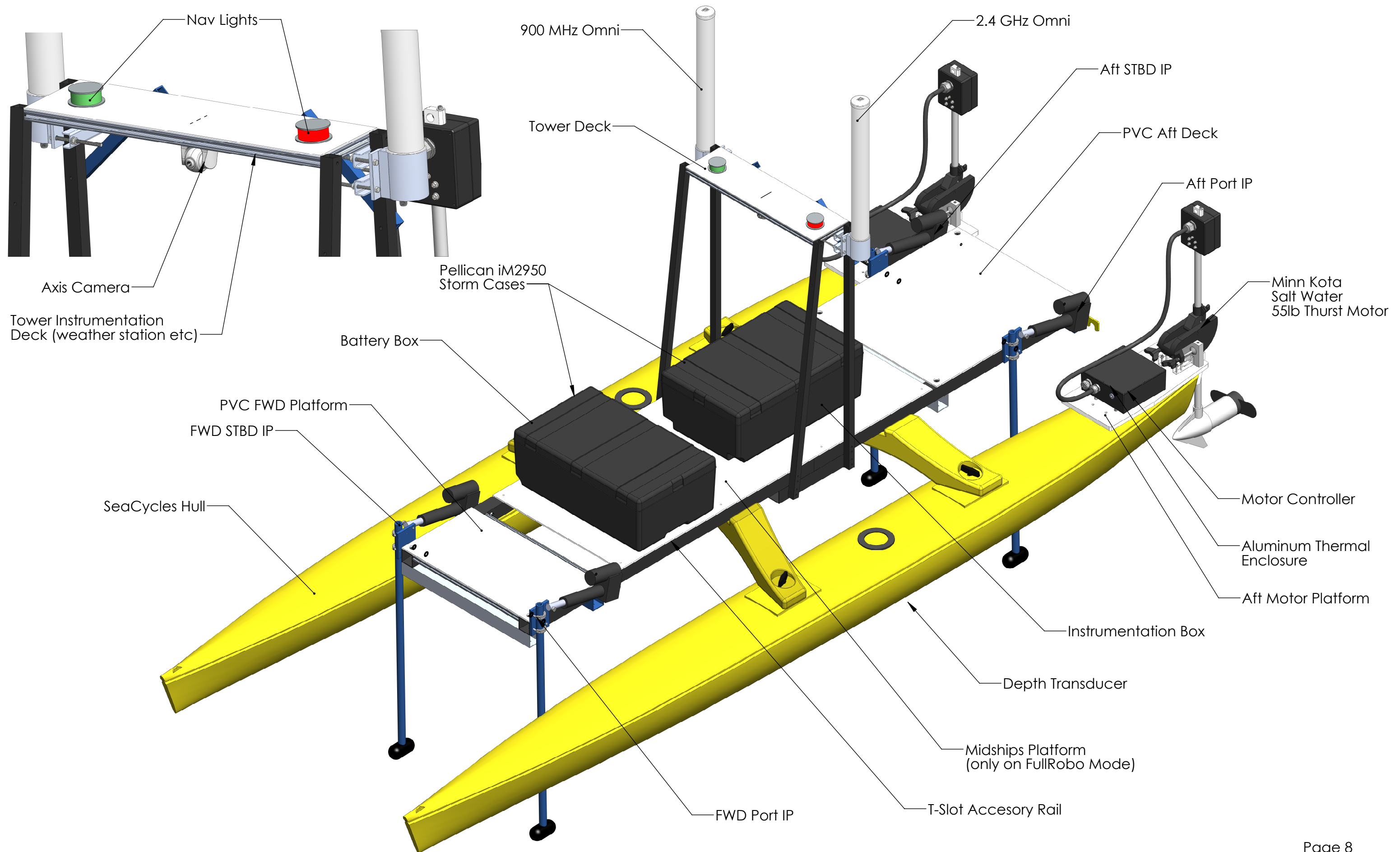
Deployed



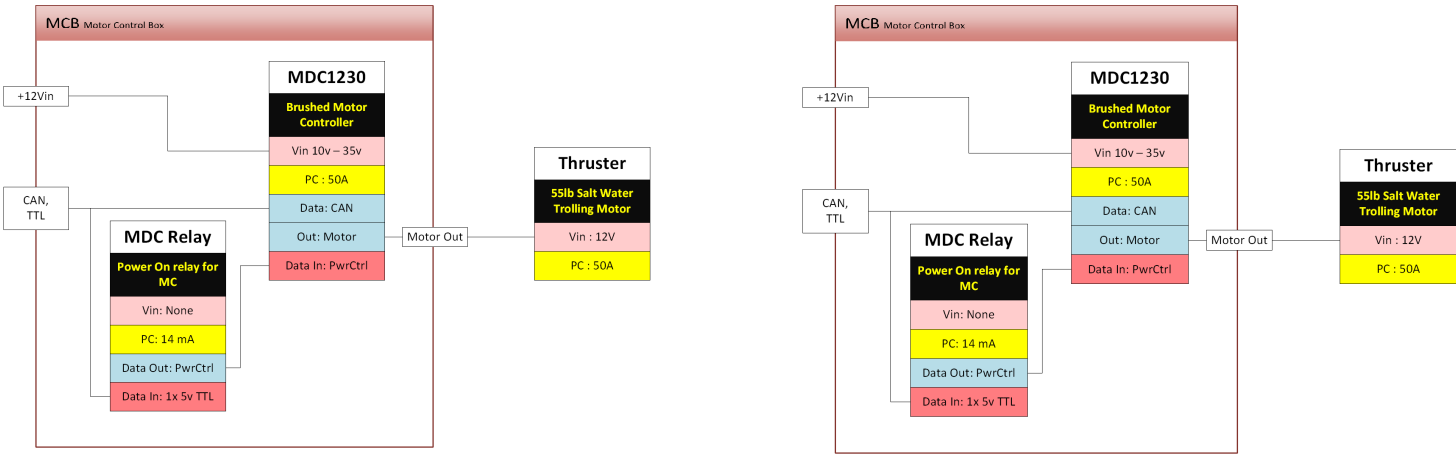
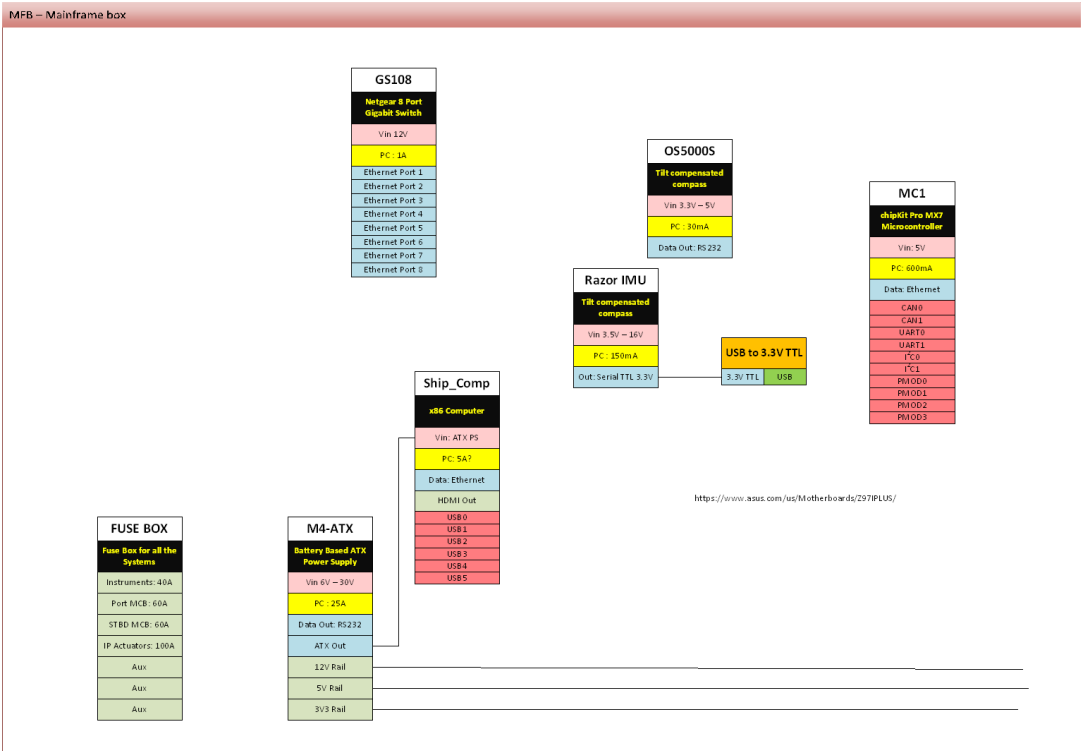
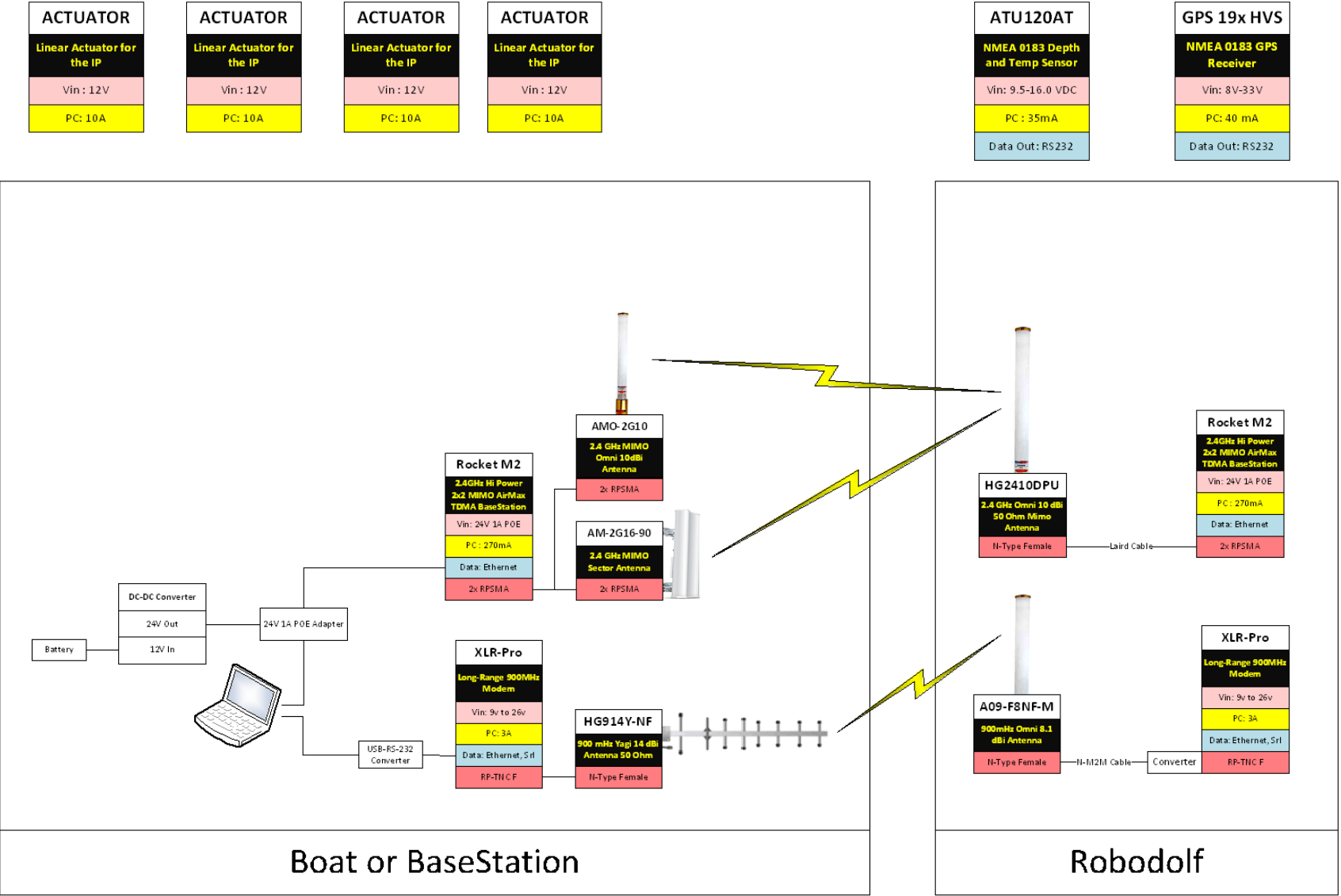
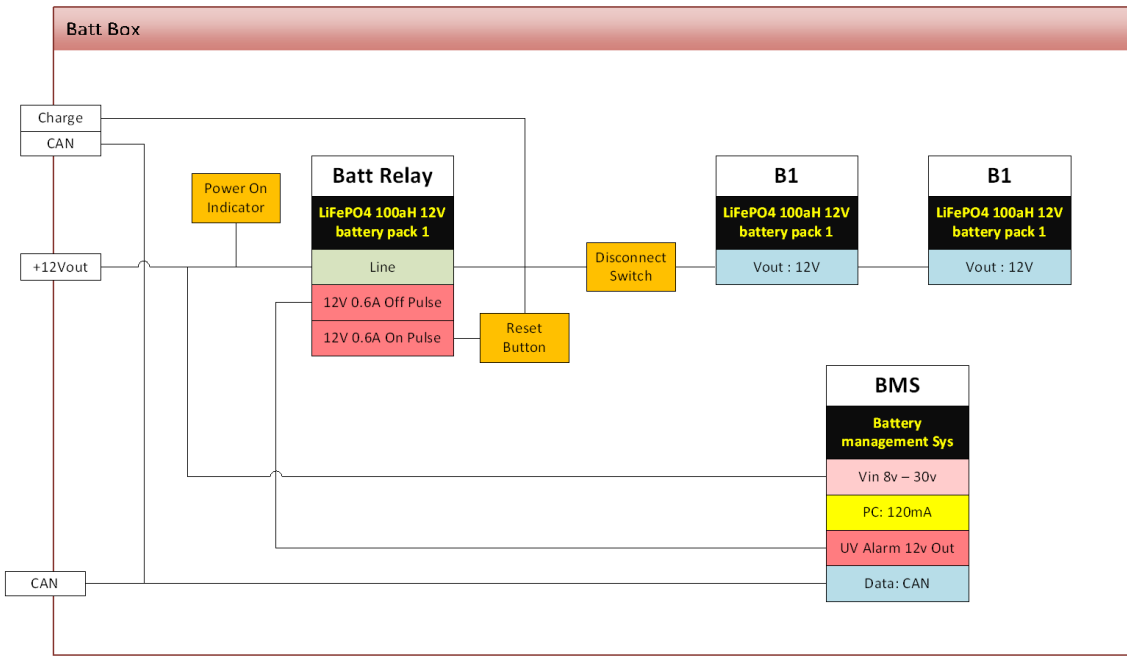
Stowed







Systems Overview



Costing Analysis as of 10/2/15
Will change to reflect modifications following this design revision.

Item	Vendor	MFG PN	Vendor PN	System	Price	Qty	Cost	Link
DELTRON ENCLOSUR	Newark		51R8171	Hardware	\$ 76.28	2	\$ 152.56	Link
Arbor, 1/4" Hex Size	McMaster		4066A76	Hardware	\$ 5.01	1	\$ 5.01	
Hole Saw, Multipur	McMaster		4066A21	Hardware	\$ 5.48	1	\$ 5.48	
DIN Rail, 3 Mountin	McMaster		8961K32	Hardware	\$ 2.07	5	\$ 10.35	Link
Warner Linear K2G	Amazon	K2G10-12v-BR	B003XT6B0I	Instrument Pods	\$ 330.79	4	\$ 1,323.16	Link
Laird Technologies	Streakwave	CA100-NM-	CA100-NM-RSMAM-	RF Link	\$ 6.95	2	\$ 13.90	Link
Ubiquiti ROCKETM2	Amazon	RocketM2	B004EHSP3Y	RF Link	\$ 88.99	3	\$ 266.97	Link
AirMax Sector 2.4 G	Amazon	AM-2G16-90	B00JFQY0ZG	RF Link	\$ 129.99	1	\$ 129.99	Link
Antenna - 900 MHz,	Digikey	A09-F8NF-M	A09-F8NF-M-ND	RF Link	\$ 217.00	1	\$ 217.00	Link
900 MHz 14 dBi Hez	L-Com	HG914Y-NF	HG914Y-NF	RF Link	\$ 140.35	1	\$ 140.35	Link
Digi XLR PRO Long-F	Verical	XL9-UA	XL9-UA	RF Link	\$ 1,259.85	2	\$ 2,519.70	Link
RF Adapters - Betwe	Mouser	242131	523-242131	RF Link	\$ 14.99	1	\$ 14.99	Link
ANT 2.1DBI 15" BAS	Digikey		A09-F2NF-M-ND	RF Link	\$ 123.00	1	\$ 123.00	Link
OS5000-S Evaluatio	Ocean Server		OS5000SK	Sensors	\$ 375.00	1	\$ 375.00	Link
CruzPro "Active" Th	downwindma	ATU120AT	709406	Sensors	\$ 205.87	1	\$ 205.87	Link
GPS 19x HVS	Garmin		010-01010-00	Sensors	\$ 199.99	1	\$ 199.99	Link
GearMo USB to 3.3v	Amazon		B004LBXO2A	Sensors	\$ 22.95	1	\$ 22.95	Link
Heavy Duty Power	Mouser		654-PL082X-61-10	Wiring	\$ 16.29	4	\$ 65.16	Link
Heavy Duty Power	Mouser		654-PL182X-61-10	Wiring	\$ 19.09	4	\$ 76.36	Link
Littelfuse MASTER D	TTI Inc	75920	75920	Wiring	\$ 43.69	1	\$ 43.69	Link
Row Labels	Sum of Cost							
Hardware	\$ 5,000.00							
Instrument Pods	\$ 1,500.00							
RF Link	\$ 3,500.00							
Sensors	\$ 1,000.00							
Wiring	\$ 500.00							
Total	\$11,500.00							