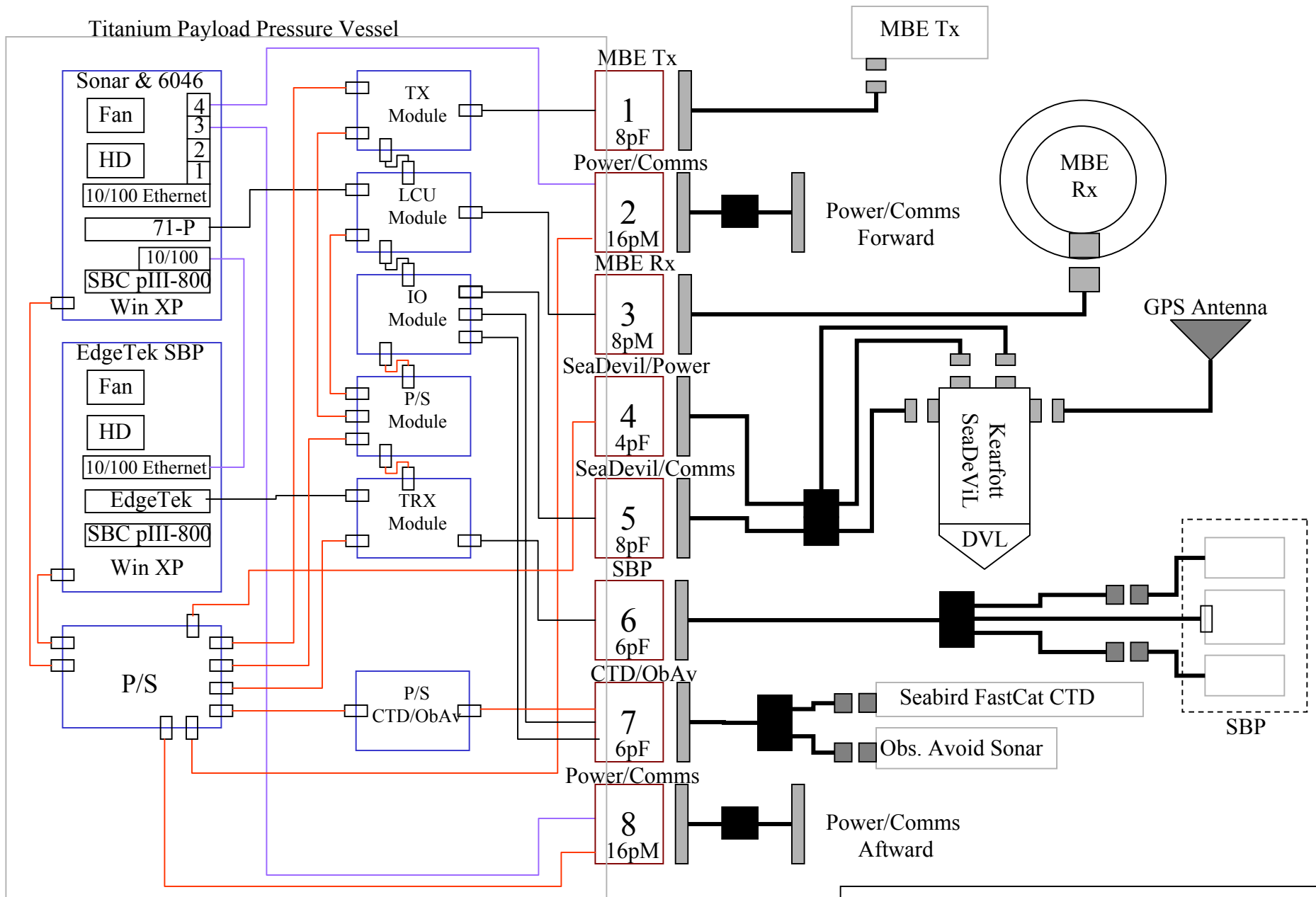


MultiBeam Payload Diagram



Multibeam Connector Pinouts

1 FCR 1508F MBE Tx		
Pin	AWG	Signal
1	22	CFG +
2	22	CFG -
3	22	(Ctrl +) N/C
4	22	(Ctrl -) N/C
5	22	TXL +
6	22	TXL -
7	22	TXH +
8	22	TXH -

2 MHDL-16-FCR Power/Comms FWD		
Pin	AWG	Signal
1	22	Ethernet RJ45 Pin1
2	22	Ethernet RJ45 Pin2
3	22	Ethernet RJ45 Pin 3
4	22	Ethernet RJ45 Pin4
5	22	Leak
6	22	Leak
7	22	NC
8	22	NC
9	22	NC
10	22	NC
11	22	Shutdown/Reset In
12	22	Shield/Chassis
13	20	Batt Bus 0V
14	20	Batt Bus +V
15	20	Batt Bus +V
16	20	Batt Bus 0V

4 FCR 1504F SeaDeViL Power		
Pin	AWG	Signal
1	20	Batt Bus 0V
2	20	Batt Bus +V
3	20	Batt Bus 0V
4	20	Batt Bus +V

5 FCR 1508F SeaDeViL Comms		
Pin	AWG	Signal
1	22	INS RS232 TX to 6046
2	22	INS Ctrl RS232 TX
3	22	INS Ctrl RS232 RX
4	22	DVL Ctrl RS232 TX
5	22	DVL Ctrl RS232 RX
6	22	INS/GPS 1PPS
7	22	DVL Trigger
8	22	DVL/INS Communication Return

8 MHDL-16-FCR Power/Comms Aft		
Pin	AWG	Signal
1	22	Ethernet RJ45 Pin1
2	22	Ethernet RJ45 Pin2
3	22	Ethernet RJ45 Pin 3
4	22	Ethernet RJ45 Pin4
5	22	Leak
6	22	Leak
7	22	NC
8	22	NC
9	22	NC
10	22	NC
11	22	Shutdown/Reset In
12	22	Shield/Chassis
13	20	Batt Bus 0V
14	20	Batt Bus +V
15	20	Batt Bus +V
16	20	Batt Bus 0V

3 FCR1508M MBE Rx		
Pin	AWG	Signal
1	22	LNK1A +
2	22	LNK1A -
3	22	LNK1B +
4	22	LNK1B -
5	22	+12V
6	22	COM
7	22	+12V
8	22	COM

6 FCR 1506F SBP		
Pin	AWG	Signal
1	22	Shield
2	22	TX +
3	22	TX -
4	22	RX +
5	22	RX -
6	22	RX Shield

7 FCR 1506F CTD/ObsAvd		
Pin	AWG	Signal
1	22	Iso +12V
2	22	Iso +12V Rtn
3	22	CTD RS232 Tx
4	22	CTD RS232 Rx
5	22	Obs. Avoid Sonar RS232 TX
6	22	Obs. Avoid Sonar RS232 RX