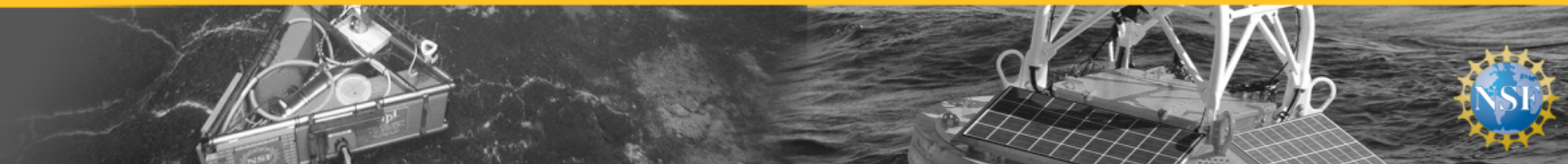


OOI Coastal & Global Scale Nodes (CGSN)

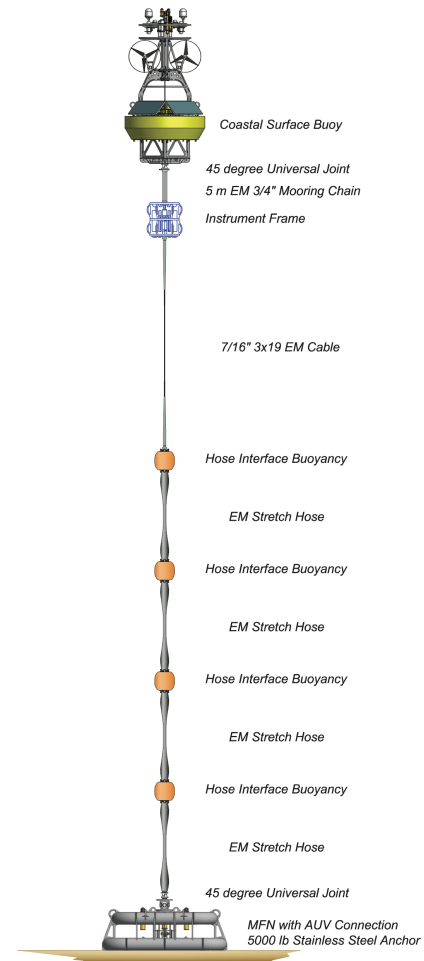
> 2500 Cables and Wiring Harnesses

Matthew Palanza
Woods Hole Oceanographic
Institution



Problems

- Environment
- Cost of Failure: Very High
- Refurb 1-2 Times / Year
- Predict End of Life
- Quicker Integration of Complex Systems



Description

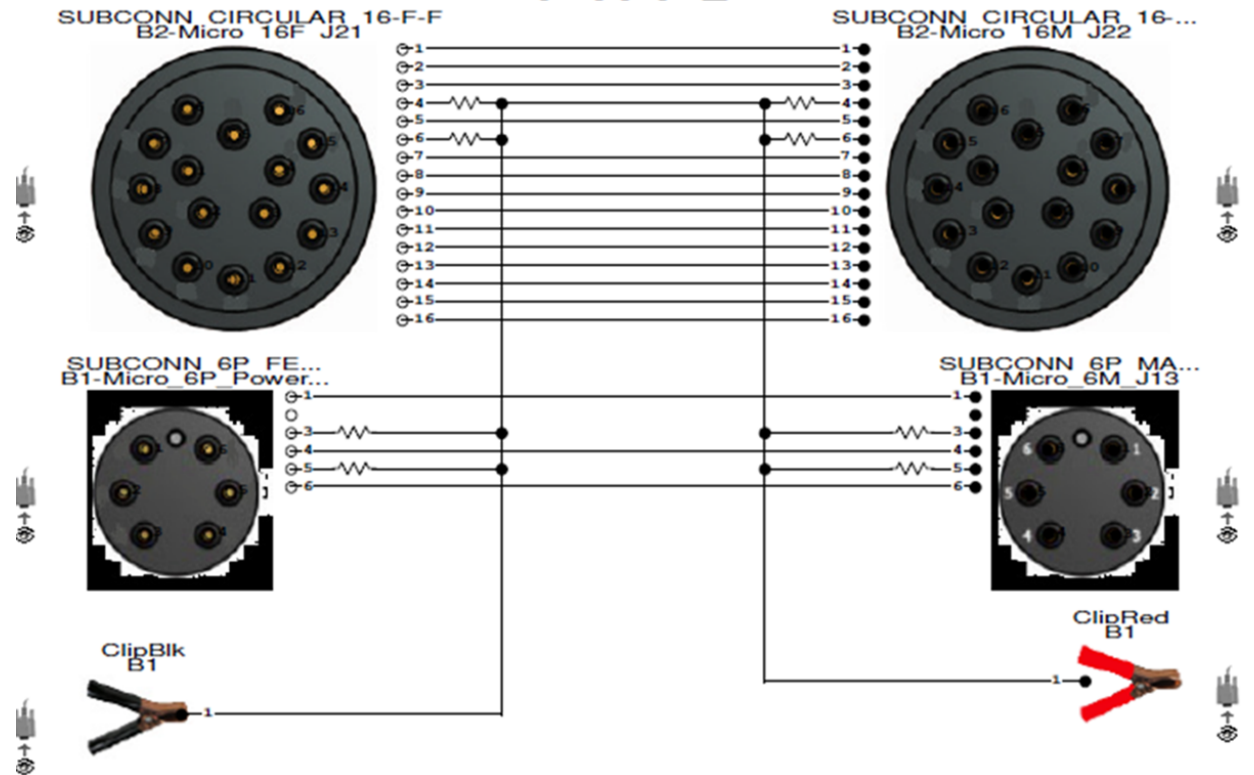
- Incoming Inspections
- Insulation Breakdown
- Failed Potting
- Mating Cycles
- Ground Faults
- Material Mismatches

CableEye Wiring Report	TEST DATA	10-16-15 10:31 AM
6 Connector, 18 Wire		

Operator Name: Pat Baker

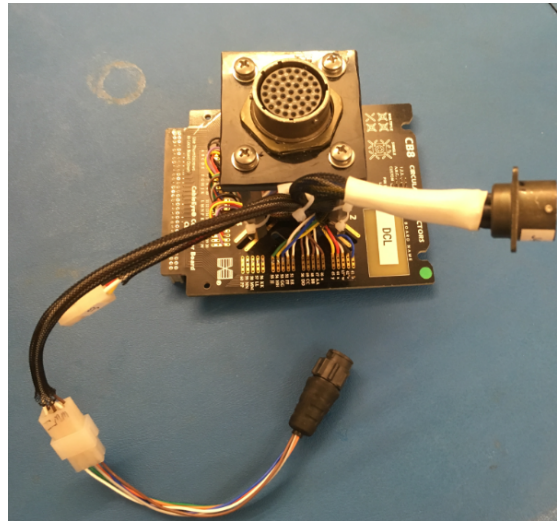
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FAIL



Solution

- Commercially Available Test Equipment
- Customize Interfaces



Lessons Learned / Best Practices

- Ensure Quality
- Track History
- Data Analysis
- Rapidly Verify Go / No-Go
 - Possibly on Ship
- Rapidly Verify Faults