

R/V Kilo Moana Load Handling System 'The Good, the Bad, and the Ugly'

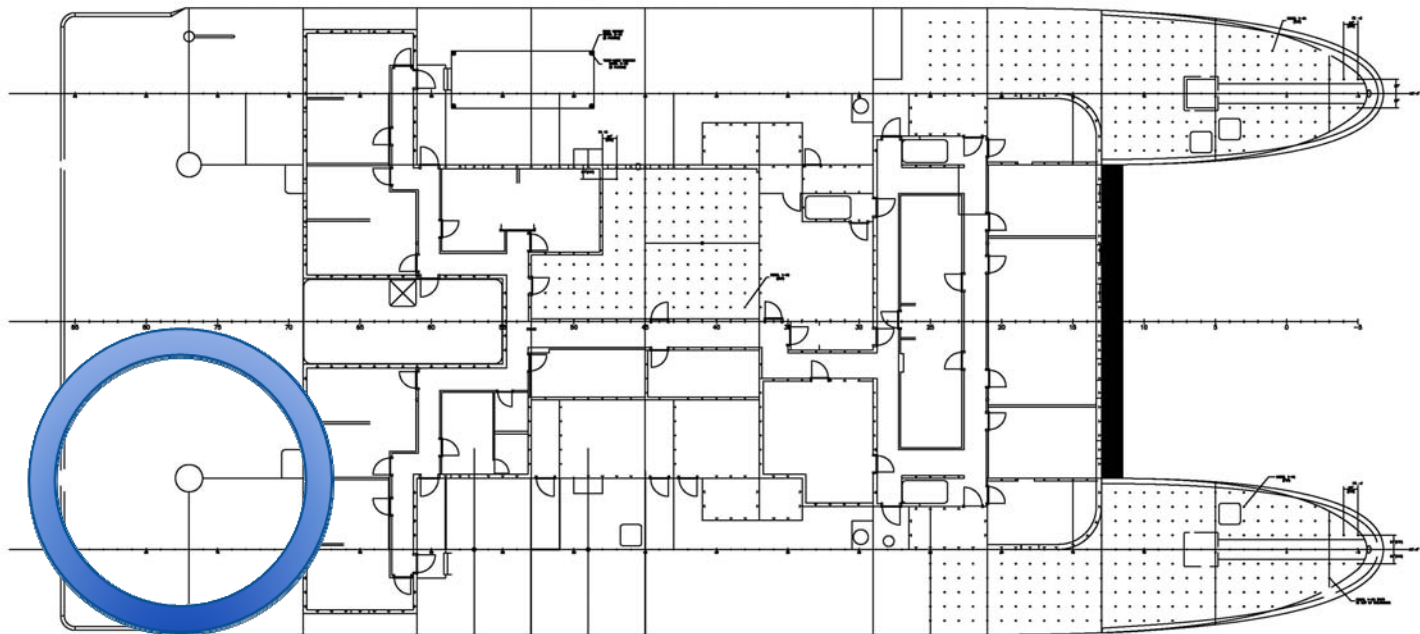
Timothy McGovern
Ocean Technology Group
University of Hawaii
Research Vessel Technical Enhancement Committee Meeting
Bermuda, November 15-18, 2010

In the beginning.....



Load Handling Design Requirements

University of Hawaii / SOEST
Research Vessel Kilo Moana
01 Deck - Deck Bolt Layout



PLAN VIEW_01_DECK
DECK BOLTS

11

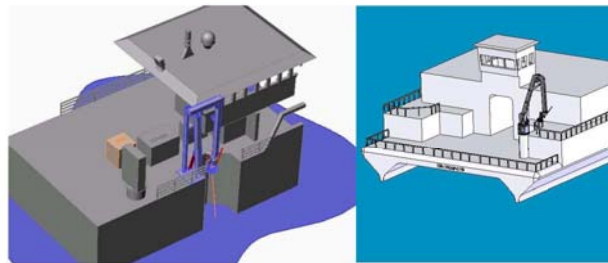
Enter Caley Ocean Systems, Inc.



Proposal

Scientific Load Handling Systems

R/V KILO MOANA and CAPE HENLOPEN
Replacement Vessel

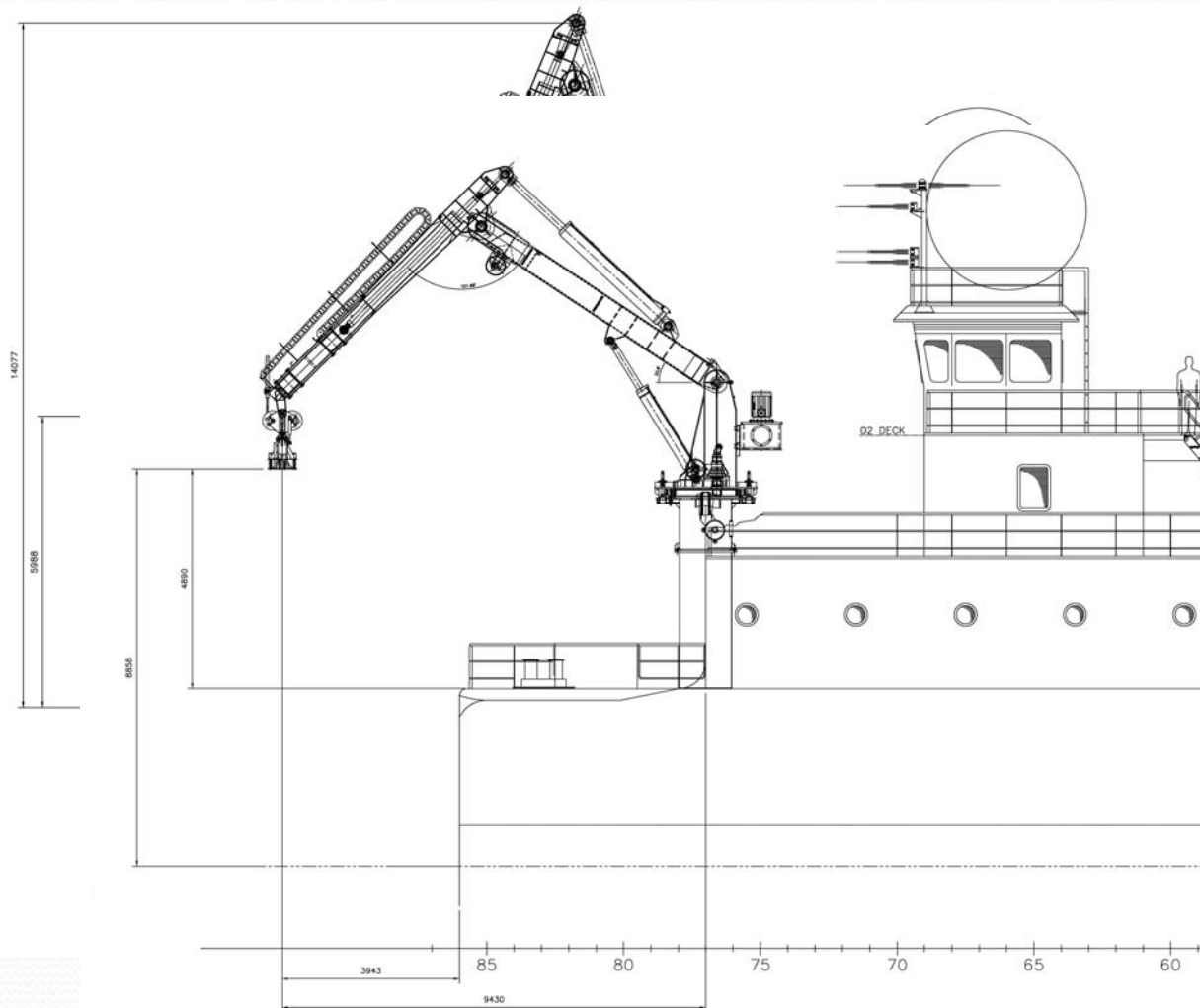


University of Delaware RFP-7057-2

Caley Ref E4549

27 May 2005

Caley Winch/Crane System



2009 Factory Acceptance Tests



January 2010 – Portland, Oregon



The Good

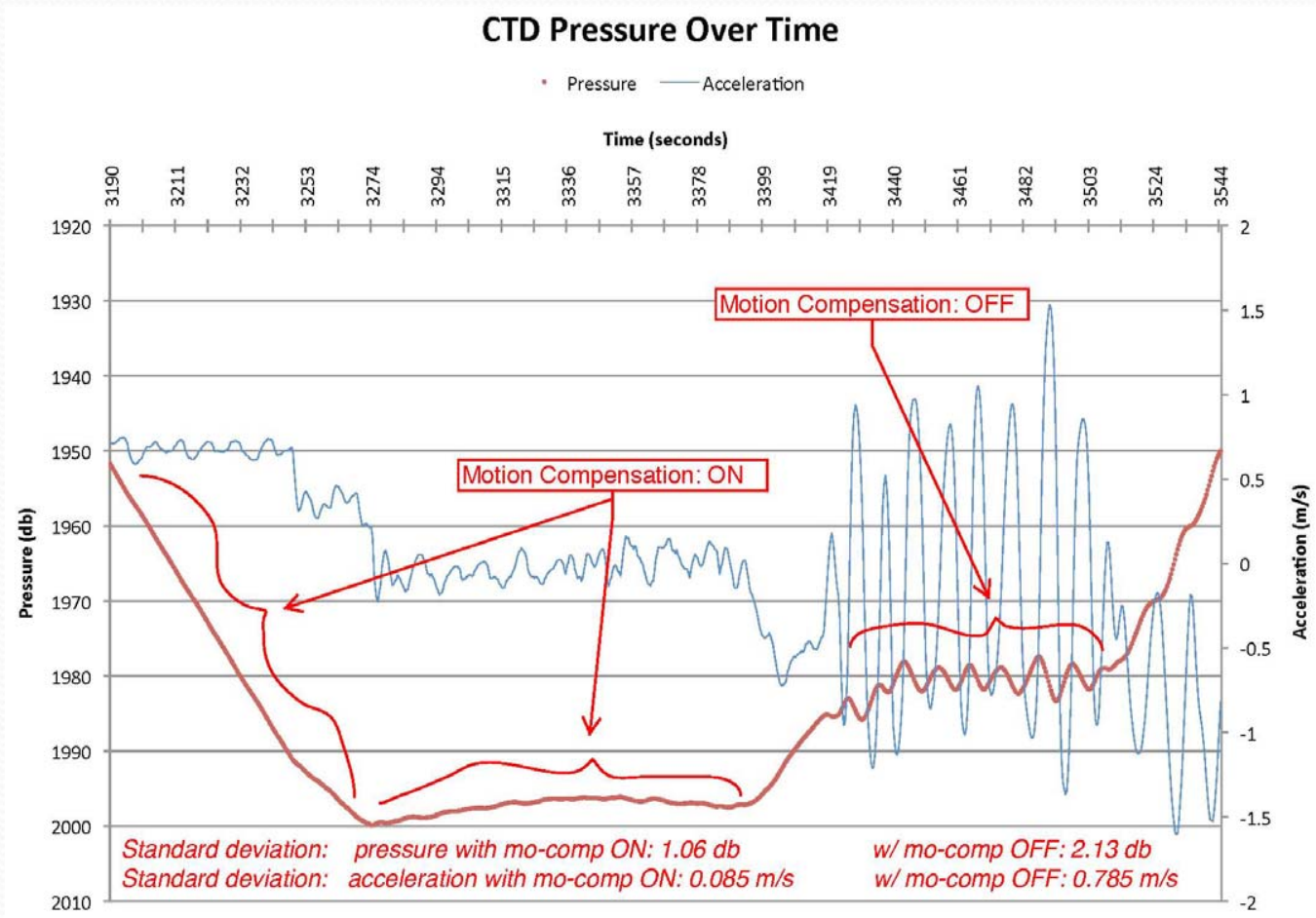
Launch

Deploy/Recover

Motion Compensation



The Good



The Bad

From: Master, R/V Kilo Moana

Sent: Friday, March 19, 2010 7:25 AM

To: Port Ops - Gray Drewry

Cc: Port Eng - John Nikola; Marine Sup - Stan Winslow;
Tim McGovern; Chief Engineer - Kilo Moana; Chief
Mate - Kilo Moana; Victor Polidoro

Subject: loss of Caley winch motor, blackout, loss of bow
thruster

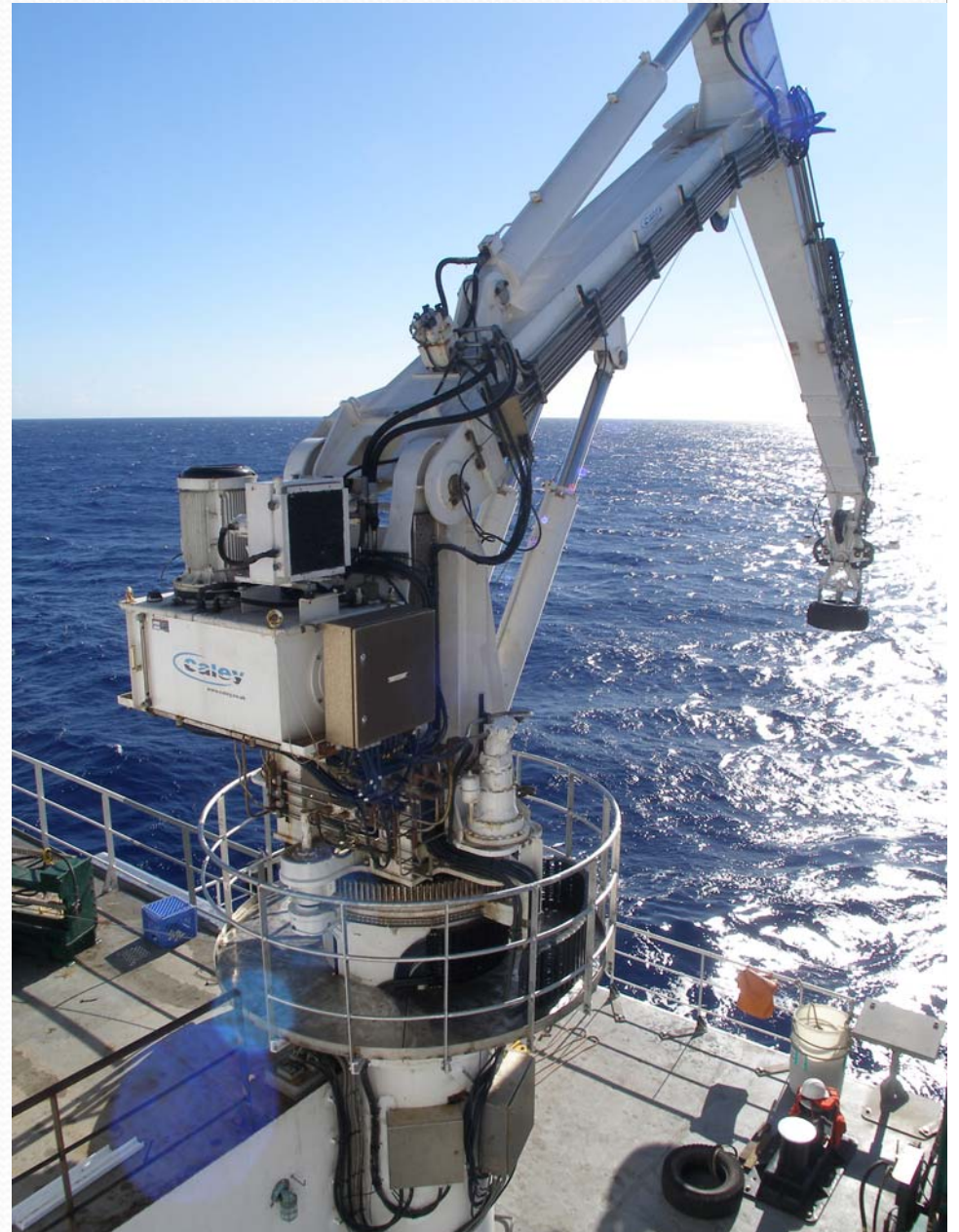
The Ugly



Repairs & Modifications



Current Status



Future Plans



Thanks!Questions?

