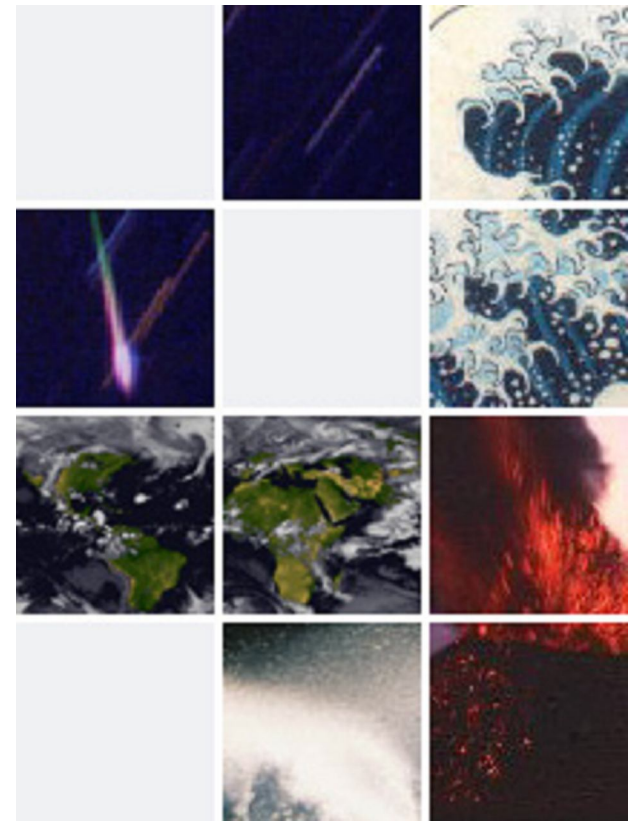


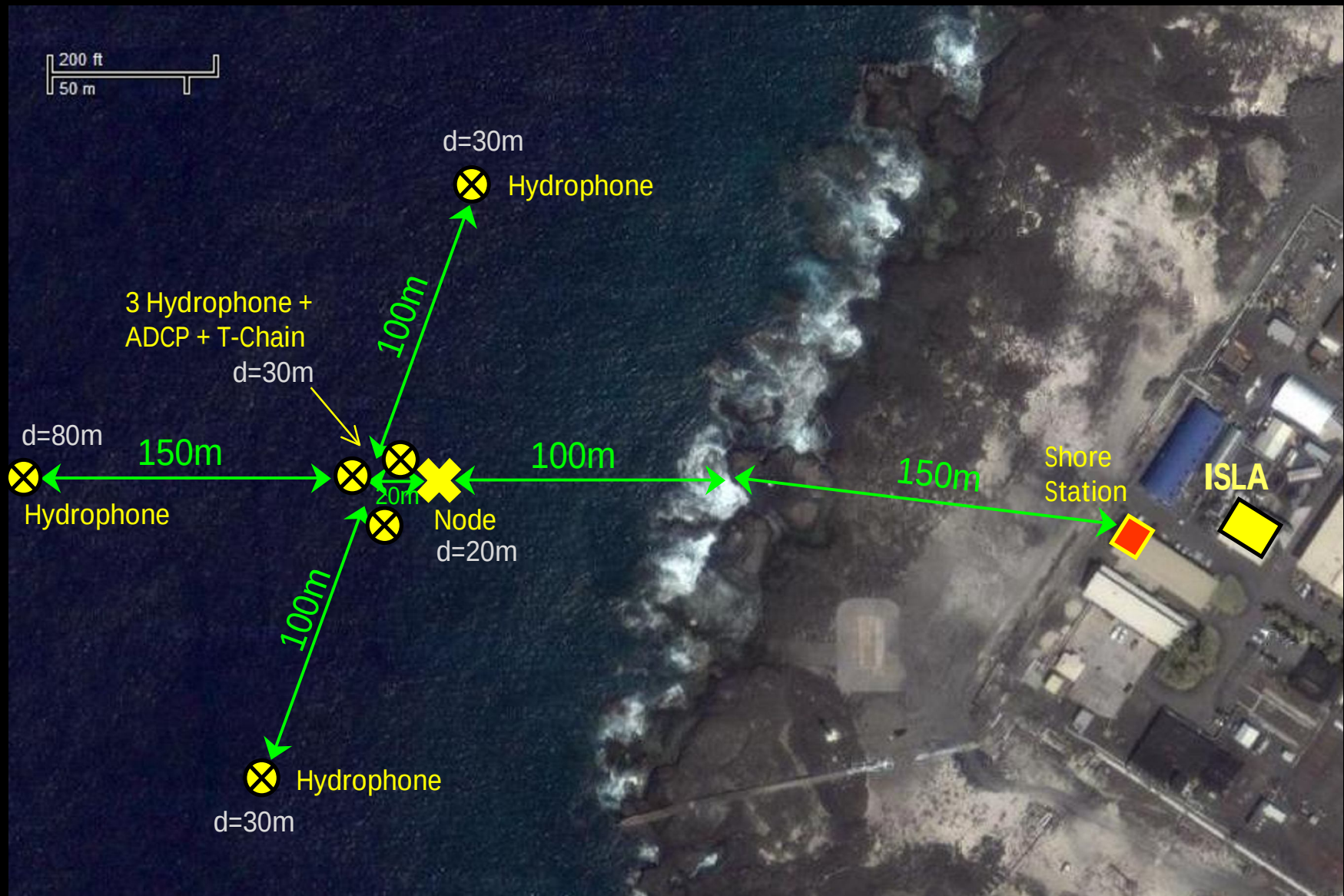
KOMNet: Kona Ocean Monitoring Network

Joseph Park
HIGP/SOEST, University of Hawaii, Manoa

November 2008



Kona Ocean Monitoring Network KOMNet



KOMNet Sensors

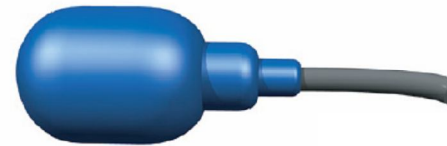
ADCP: Current, Temperature,
Wave Height & Direction



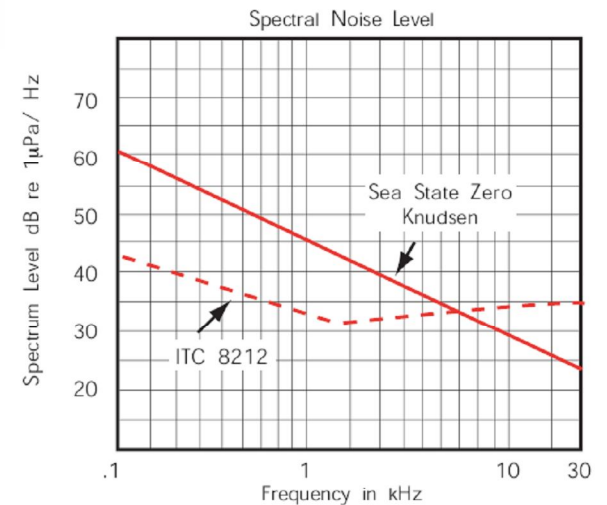
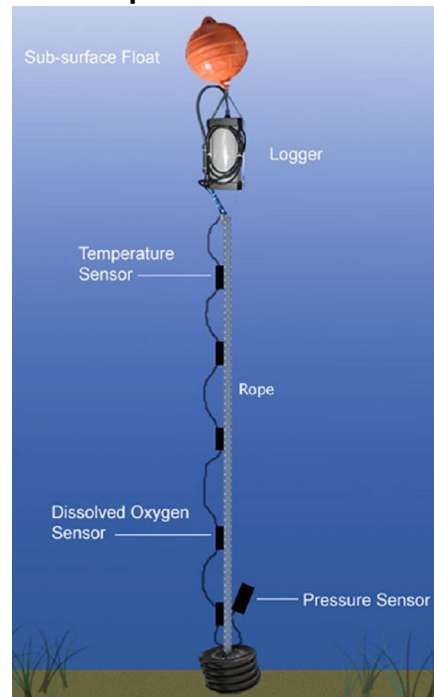
Hydrophone Array: Low Frequency Acoustic,
Infrasonic

Model ITC-8212

*Special Purpose
Preamplified Hydrophone*



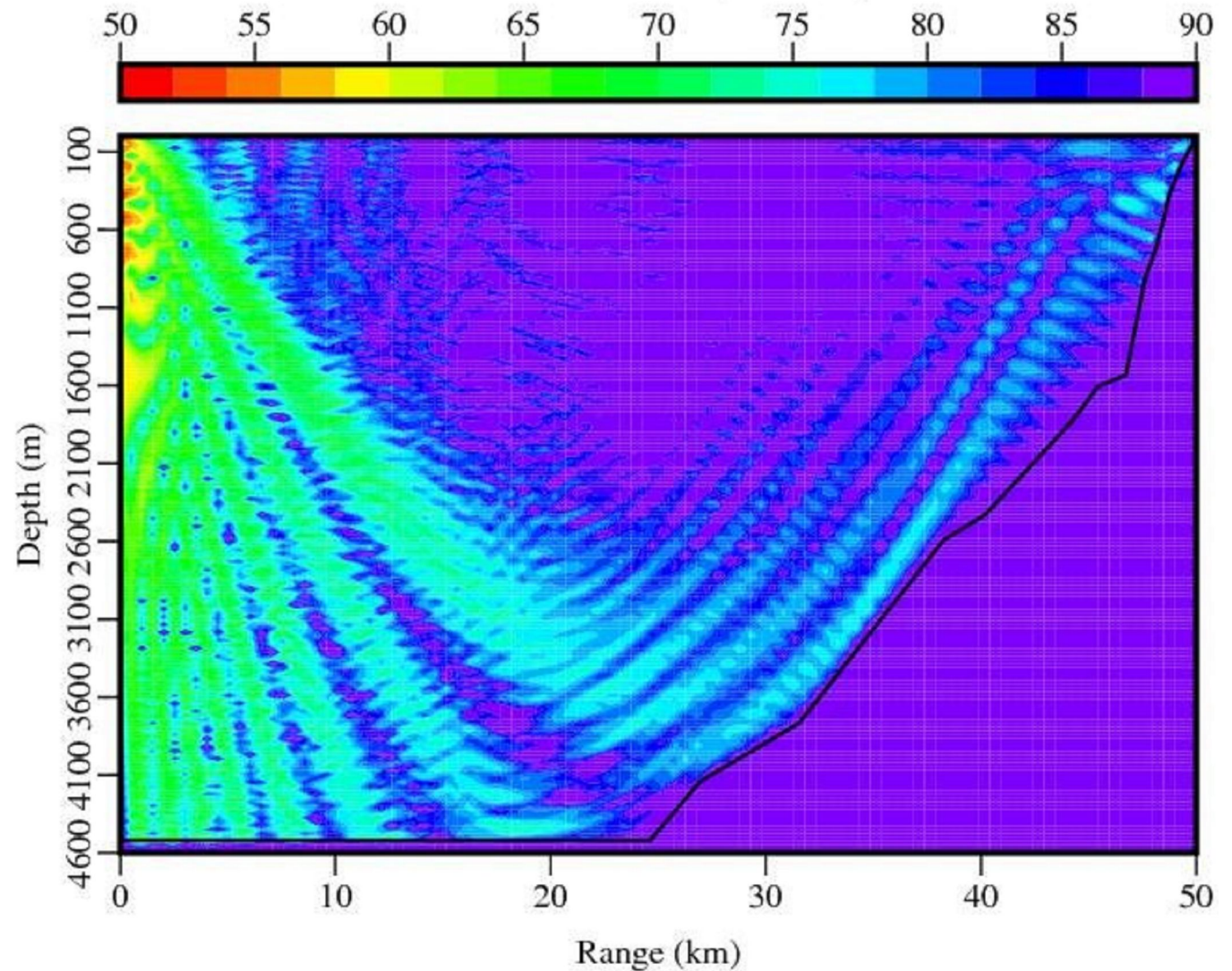
T-Chain
Vertical Temp Profile



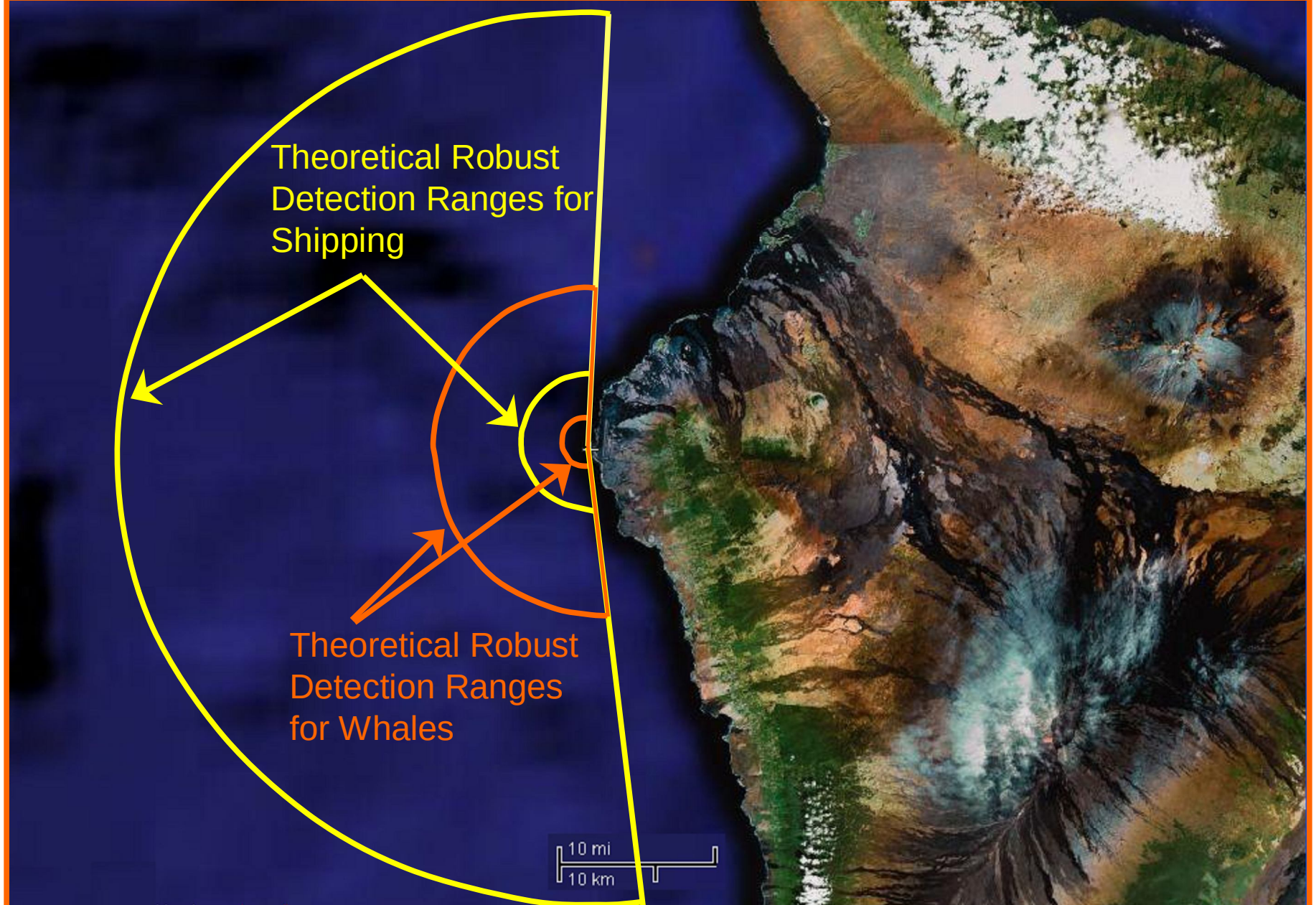
International Transducer Corporation



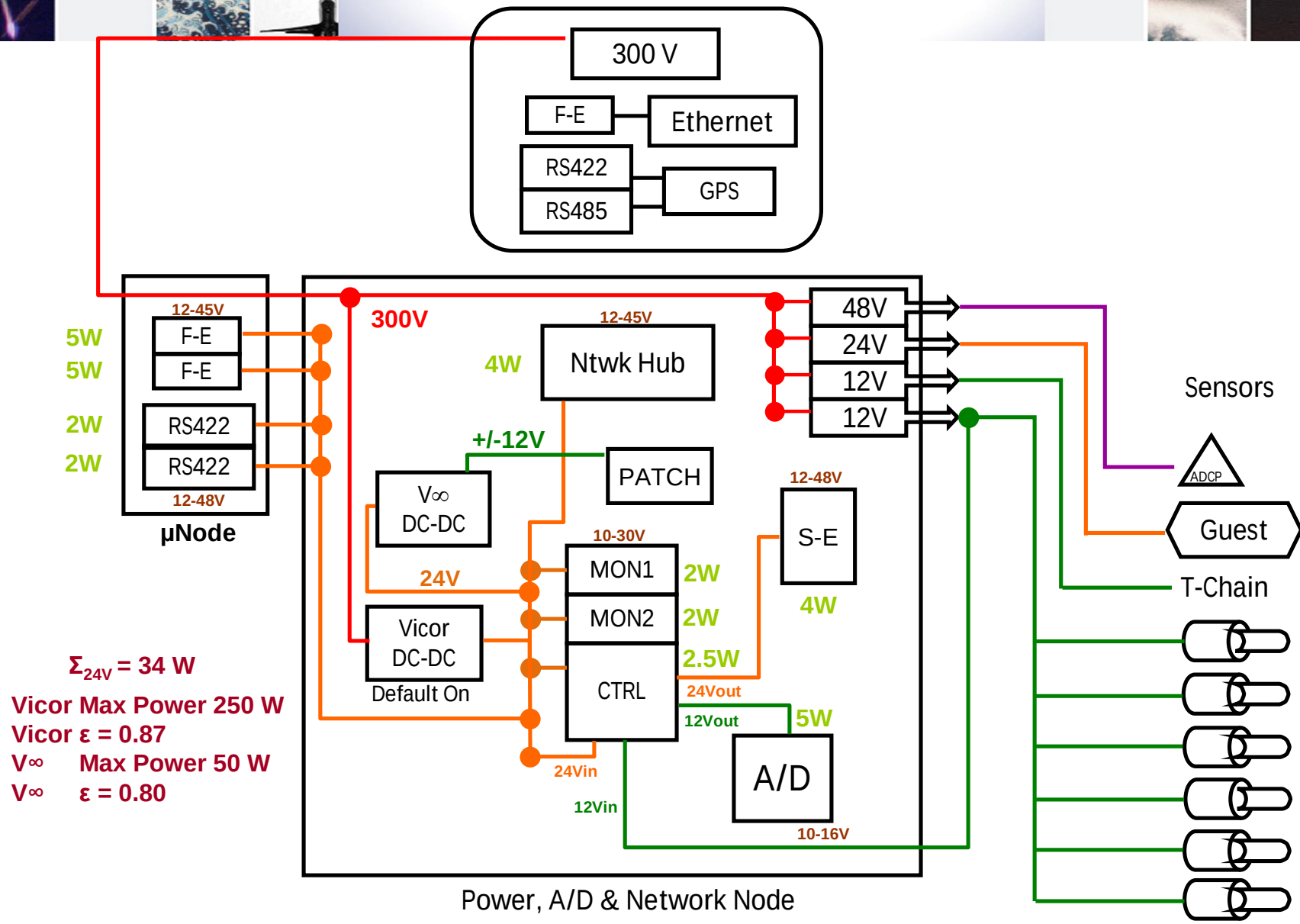
Keahole Point 20Hz Source 300m Reciever 10m
Transmission Loss (dB re 1 m)



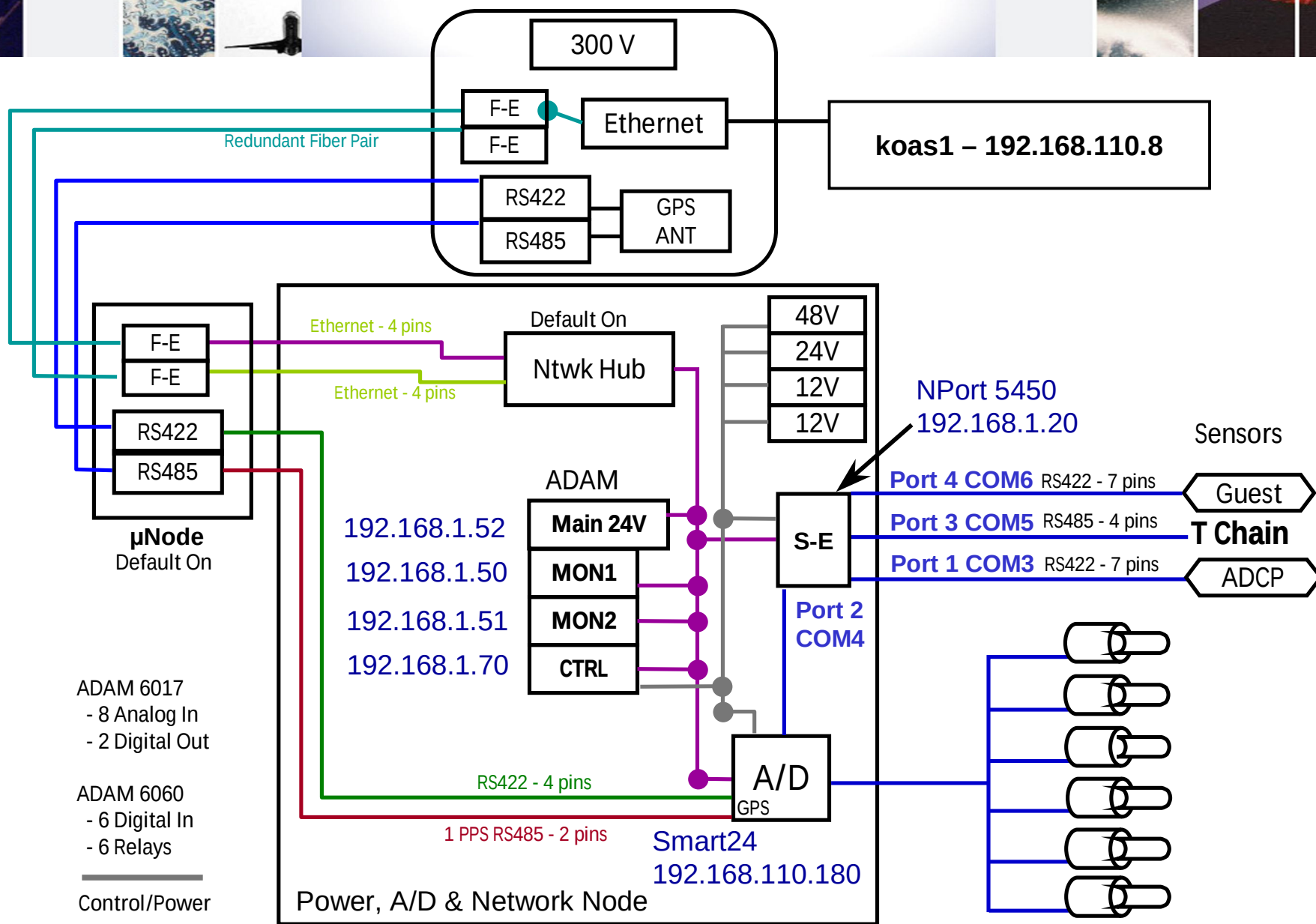
Preliminary acoustic studies indicate that the steep bathymetry and coastal complexity of the KOAS site will permit monitoring of the Kona coast and beyond.



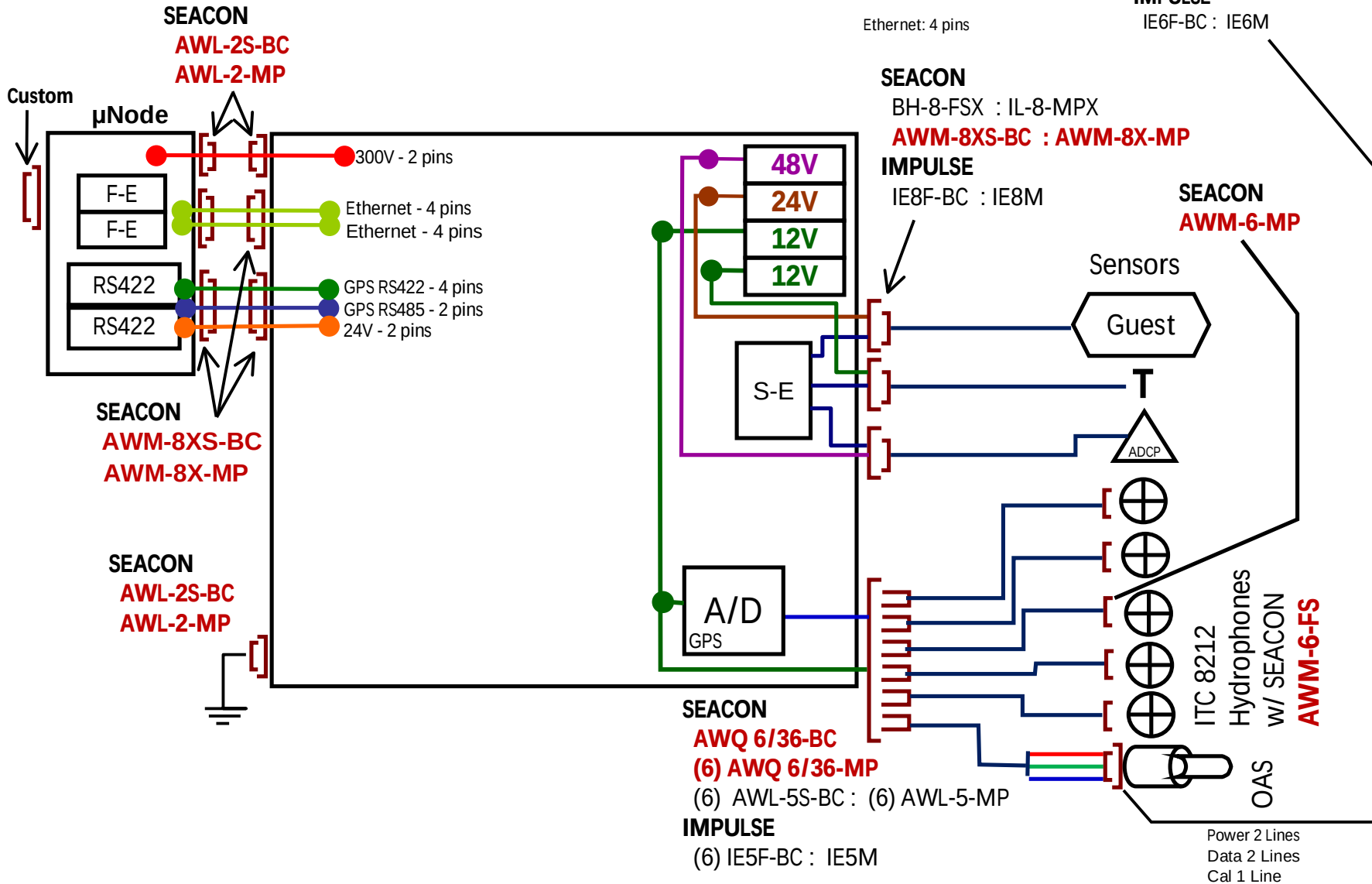
KOMNet – Power Distribution



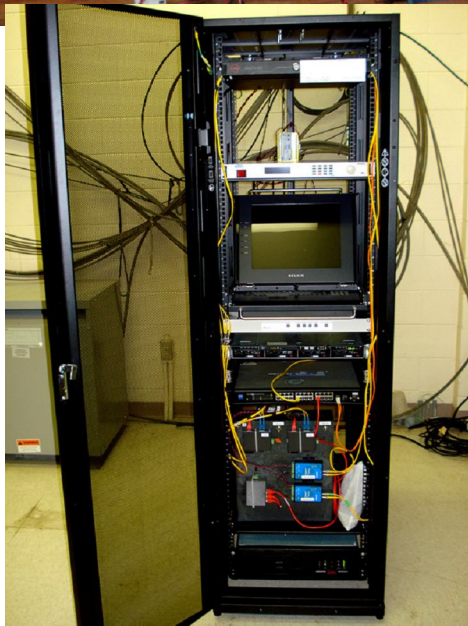
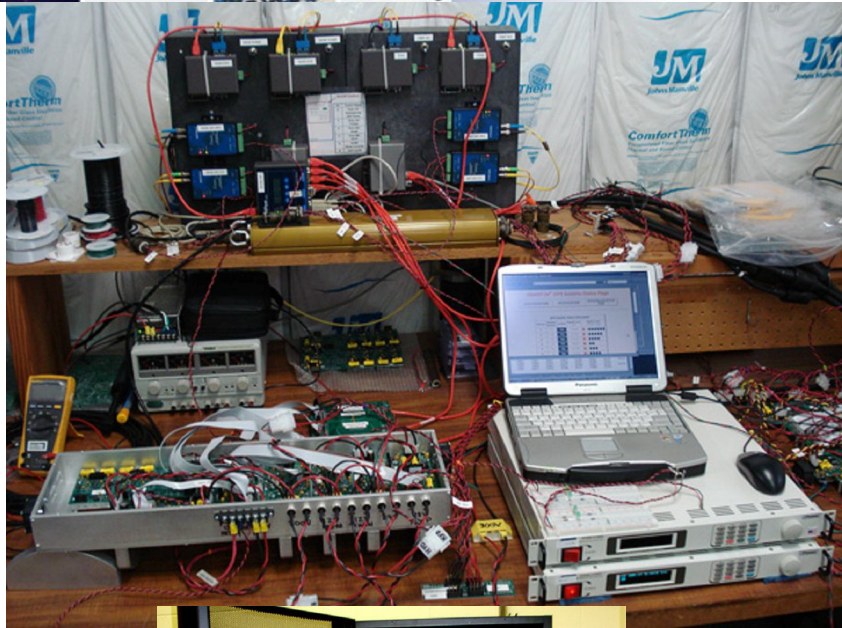
KOMNet – Communication & Control



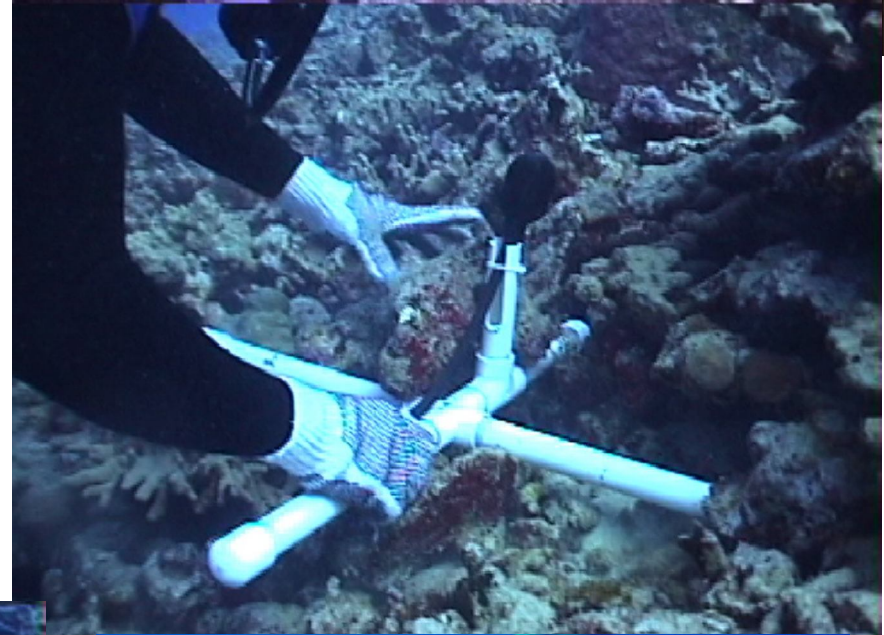
KOMNet - External Connections

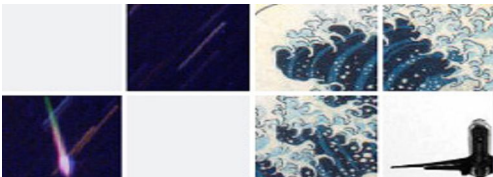


Fabrication, Integration, Testing



Deployment





Data

