

Docking

For Persistent Operations

Omni-directional, compliant vertical line dock

Niobicon sliding contact power transfer: Patent pending with Northrop Grumman; 500 Watts (48v @ 11 amps)

1+ Mbps data transfer, plus acoustic modem backup

Web-based dock control interface with live video

Input power: Solar, wind, wave, cable, battery



Solar for 1 LRAUV

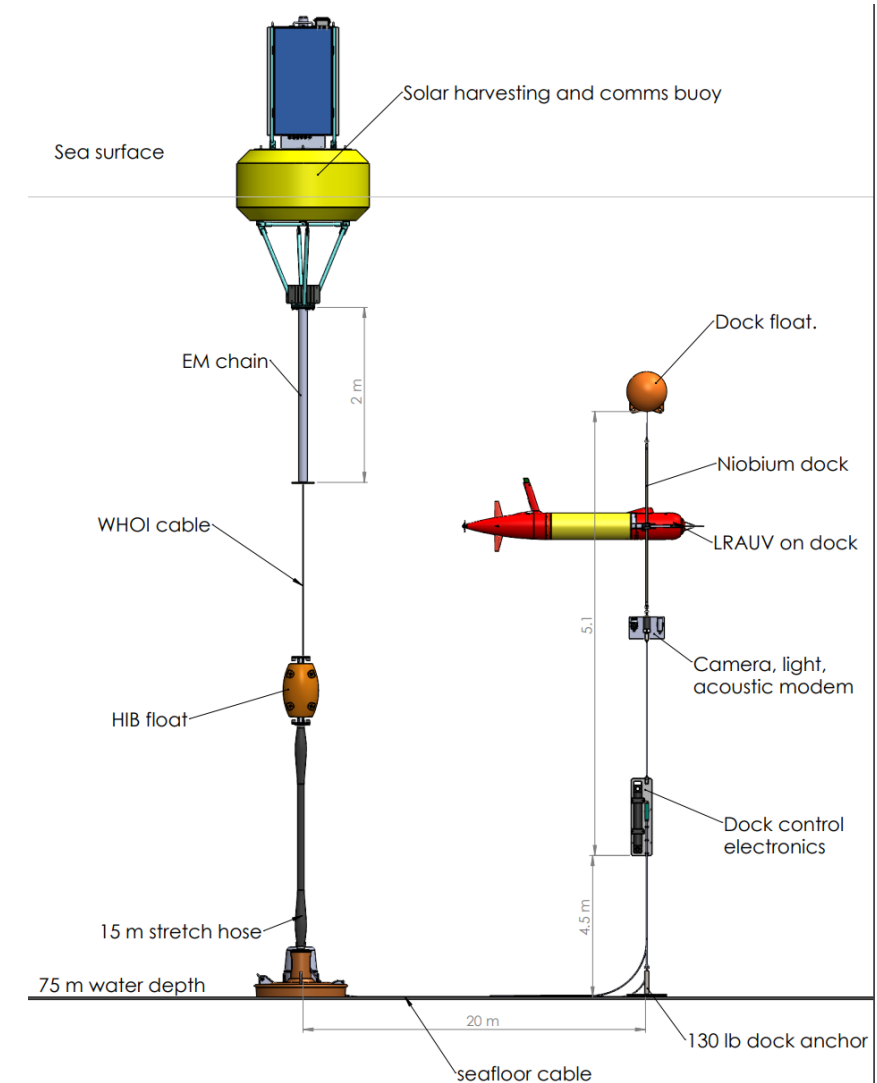


Homing to Dock

MBARI



AUV Parked on Dock



LRAUV Docking Video

Video showing side mount capture arm



Position of
camera
(optional)

Power
transfer
components

Capture arm

Dock deflector

Video showing docking rod capture

