

Mooring Hardware Solutions

Glostén has designed mooring hardware solutions for a wide range of projects, including mooring arrangements for sites with large tidal elevations or severe climatology, cable laying projects, derrick and work barges, floating piers, breakwaters, floating fish collectors, pipe laying, and many other applications.

Project:

Mooring Installation for a Semisubmersible Platform

Installation/Contractor:

Manson Construction Company

Scope: Glostén designed a mooring installation at Adak, Alaska for a semisubmersible platform. In addition to design, we were asked to

- Develop wind and wave climatology
- Perform non-linear dynamic mooring analyses
- Mobilize field investigations
- Write procurement specifications,
- Evaluate and select contractors
- Supervise installation and proof testing
- Seek class approval



Setting one of the 60 tonne high performance anchors and 114 mm chain.

Page 2, Mooring Hardware Solutions

Project Description: Laying chain was a 24 hour continuous operation to complete the project within a short summer weather window.



Rigging an intermediate clump weight.



Shown is a test fixture for proof loading opposing anchor pairs to 725 tonnes.