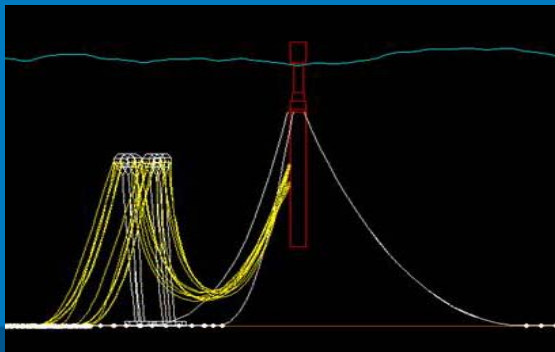


PROJECT:

Mooring System Design and Installation

**under-promise
over-deliver**



CLIENT:

Various

LOCATION:

Various

IDENTIFY

SELECT

DEFINE

EXECUTE

OPERATE

Linch-pin has extensive experience with the design and installation of both temporary and permanent mooring systems, for offshore facilities such as FPSOs, FSOs, MODUs, derrick barges, cargo barges and for near-shore and quayside activities.

Linch-pin's mooring system related capability includes:

- Environmental data gathering and specification of metocean design criteria
- Geotechnical and geophysical data gathering and interpretation
- Environmental loading and hydrodynamic modelling
- Model testing specification and management
- Mooring line sizing, layout and design load development (intact and failed cases)
- Structural design of piles (driven/suction) and anchors (drag/gravity)
- Geotechnical design of piles or anchors
- Mooring system specification and procurement support
- Mooring system loadout, transportation and installation management and site supervision
- Design of unique chain handling and chain jacking systems (vessel, platform and subsea)
- Operability assessment of moored facilities (including tender assist) and interfaces with other assets (e.g. risers and umbilicals)
- Drilling riser analysis
- Dropped object analysis utilising proprietary Linch-pin software
- Expert witness and forensic assessment of mooring system failures

