

PROJECT:

Naval Architecture
Capability

under-promise
over-deliver



CLIENT:

Various

LOCATION:

Various

IDENTIFY

SELECT

DEFINE

EXECUTE

OPERATE

Linch-pin experience and capability covers the conceptualising, design, execution and ongoing support of marine activities. These include global system performance, complex load transfer operations involving multiple bodies, transportation and installation assessment, and the design of floating systems.

Linch-pin's naval architectural capability includes:

- Hydrodynamic analysis as part of sea keeping assessment, cargo loading and seafastening
- Hydrostatic analysis in order to establish stability performance, stability booklet documentation and code compliance
- Hull global and local loading development, both static and dynamic, for vessel strength and deflection assessment
- Mooring design and station keeping simulation using static, quasi-static and full line dynamic models
- Environmental loading and interaction with marine structures both fixed and floating
- Marine simulation of complex multi body operations such as module load-out, float-over installation, heavy lift operations, wet and dry transport methods, jacket launch, upend and set down
- The specification, tendering and supervision of scale model testing of complex non-linear marine systems
- Project engineering and site supervision of major offshore installation campaigns as Operator's engineer

Linch-pin personnel have been involved at all stages of development of some of the biggest and most challenging platform installations which have included:

- Jacket and GBS substructure load-out, transport (both wet and dry), launch, lift and self ballasted installation
- Topside load-out (lift, skid and trailer), transport, lift and float-over integration with the substructure.

Linch-pin's personnel have been involved with the analysis of FPSOs, FSOs, Spars, TLPs, derrick barges, cargo barges, MODUs and marine vessels.