

## ➤ Floating Structures

Peritus' capability is founded on leading industry personnel, with experience to develop innovative solutions for floating structures.

Floating structures include FPSO's, FSO's, TLP's, Spars, Semisubmersibles, Control Buoys, and Marine Terminals.

Determining which floating structure is the best solution for any particular development is crucial. Key factors in the selection include the number, location and type of wells, flow assurance issues, hydrocarbon product (oil, gas, multiphase, water cut etc), development schedule, availability of yards etc. Peritus strive to bring smart, high value and economic solutions whatever the development.

### Capabilities include:


- Through life cycle engineering – appraise, select, define, execute, operation support, decommission
- Field development engineering

- Floating structure engineering / naval architecture, including new build and conversion engineering
- Vessel availability and surveys
- Response based analysis of floating structures
- Structural engineering
- Mooring system design
- Mooring and offloading buoys
- Material selection, corrosion and corrosion management
- Production of Tender documents / EPIC packages for procurement, fabrication, construction / installation, testing and commissioning
- Procurement / manufacturing / fabrication management
- Seafastening design and transportation analysis
- Float-over deck engineering
- Construction management
- Interface management

### Experience:

Peritus' senior technical team consists of industry experts with extensive international knowledge and expertise in difficult or deepwater environments. Members of this team have worked on some of the most innovative projects of their time, in some of the world's most challenging offshore environments.





## experts in difficult and deepwater environments

The Peritus mission is to provide high end system engineering services to the offshore oil and gas industry with a particular focus on deepwater and difficult environments for:

- Subsea Systems
- Subsea Pipelines
- Risers
- **Floating Structures**
- Flow Assurance
- Specialist Engineering
- Field Development

