

➤ Field Development

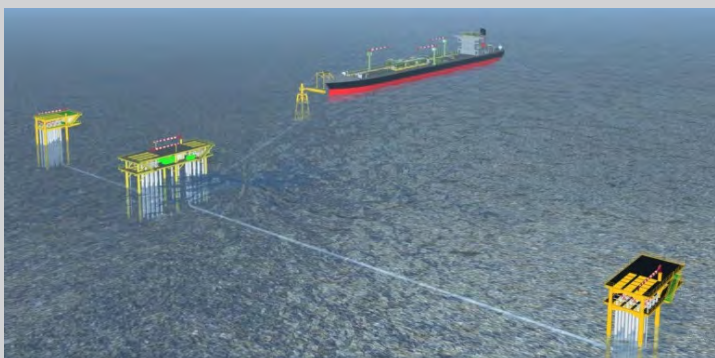
Peritus' capability is founded on leading industry personnel with extensive experience of all stages of offshore oil Field Development.

Field Development consists of identifying and defining, as a system, all components required for successfully developing and operating offshore oil and gas fields. It is a multi-disciplinary task, requiring both technical and commercial skills, including subsurface, drilling, facilities, project, operations and commercial competences.

Field Development activities can occur early in support of oil companies' exploration efforts. More typically, Field Development begins following exploration success when Oil Companies commence the Assess phase of project development which, if successful, continues through to the Define phase and FID. In some cases Field Development addresses brown-field redevelopment opportunities.

Capabilities include:

- Pre-exploration quick field development concept selection and cost estimating in support of exploration or farm-in economic assessment.
- Post discovery, multi-disciplinary development concept selection, cost estimating and trade off.
- Field Development coordination of other disciplines including subsurface, drilling, process facilities, operations, commercial, HSE and regulatory.




- Management of all Field Development activities including technical definition of concept, capex and opex cost estimating, and execution planning.
- Management of or contribution to typical project stage / gate processes including independent verification, preparation of documentation from concept through FID.
- Where Field Development activities are managed by others, Peritus can provide independent review.
- Provision of Peritus SURF and Floating Systems technical disciplines for Field Development projects as well as provision and coordination of third party sub-surface, drilling, process facilities, operations, commercial, HSE and regulatory approval consultants, as required.
- Cost estimating for Field Developments.
- Preparation of project contract strategies and, if required, management of project execution tenders.
- Provision of, or contribution to operators' Field Development project teams for all phases of Field Development from concept, to FEED, detailed engineering, construction, and commissioning.
- Brown-field re-development concepts or execution same as for Greenfield developments.

Experience:

Peritus' team includes former Oil Company and Contractor Engineering, Construction and Operating senior staff with significant experience as project directors, engineering managers, project delivery managers and engineers. Peritus staffs have been responsible for all phases and all styles of offshore developments all around the world, from concept to commissioning. Peritus also has access to subsurface and drilling consultants and has an effective in-house conceptual cost estimating tool.

Peritus has been extensively involved in field development studies, reviews, and cost estimates for discoveries, prospects, brown-field redevelopments, and potential farm-ins globally.



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**

