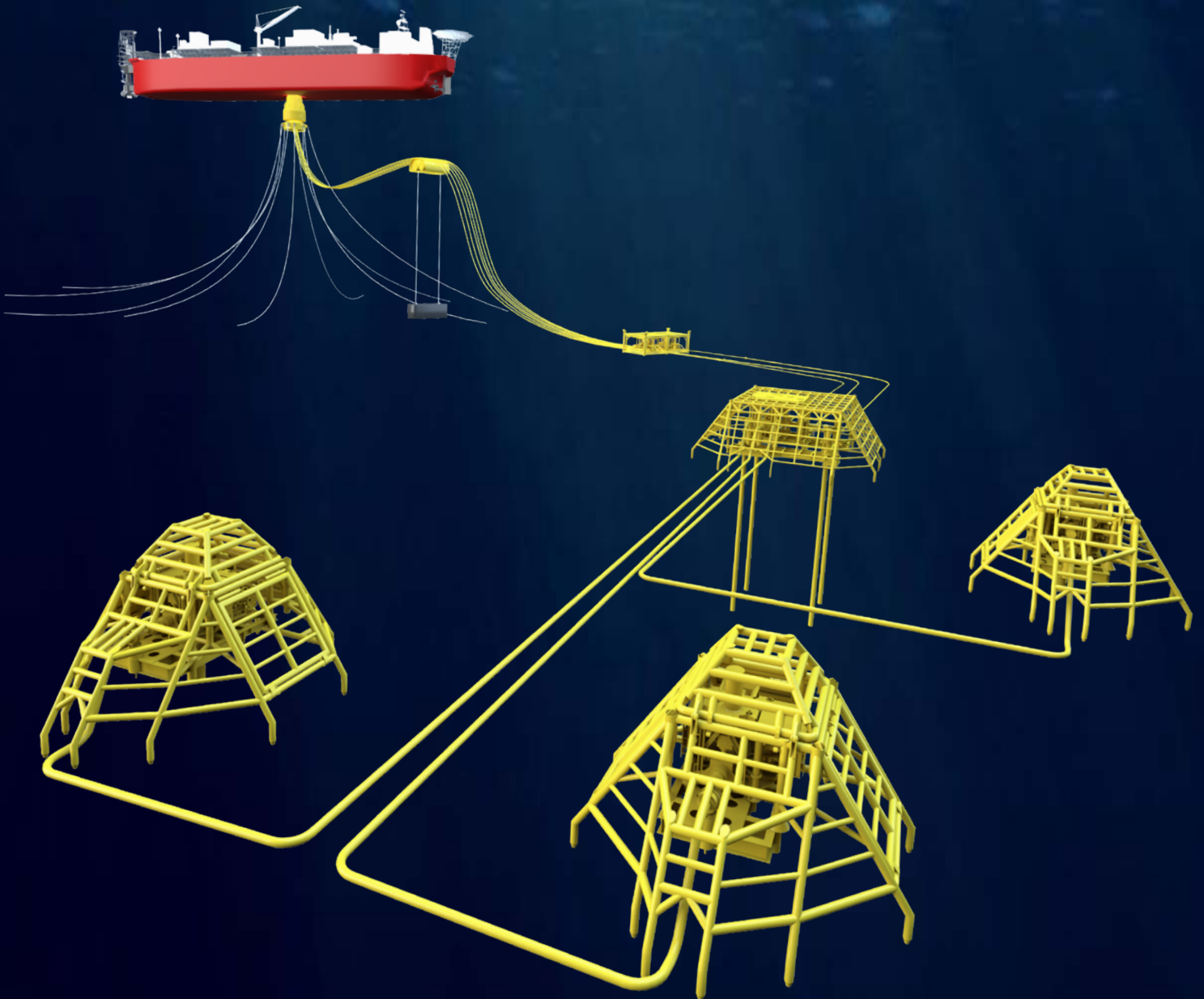




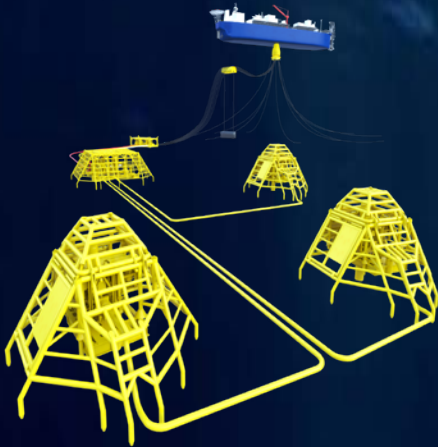
FIELD DEVELOPMENT AND FLOW ASSURANCE

CAPABILITY OVERVIEW



FIELD DEVELOPMENT

Infinity deliver bespoke subsea field development solutions for our clients. We take projects from initial concept selection through to detailed design and our expertise includes brownfield and greenfield developments.



SERVICES

DEVELOPMENT SCREENING AND PLANNING

Concept screening and planning to establish project economics and viability. Shortlisting process enables selection of optimal concept(s) to be taken forward to pre-FEED.

- Economic screening / assessment
- Technical screening / assessment
- Appraisal data gathering
- Impartial recommendations

CONCEPTUAL ENGINEERING (PRE-FEED)

At this stage we develop a well defined concept and an understanding of the design challenges.

- Selection of preferred concept
- Field architecture and layout
- Basis of design management
- Cost estimation and economics

FRONT END ENGINEERING DESIGN (FEED)

Further development of the technical requirements for the development resulting in defined scope, budget, and schedule. This supports the Final Investment Decision (FID).

- Concept development refinement
- Technical and economic refinement
- Development risk assessment
- Field layout optimisation

DETAILED DESIGN

Utilising FEED outputs we develop the engineering design to our client's requirements. This includes safety, efficiency and installation challenges.

- Detailed engineering for field development, pipelines and structures
- Optimised start-up procedures
- Handover and start-up management

DISCIPLINES

- Pipelines & structures
- Flow assurance
- Materials
- Subsea hardware
- Project and package management

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FLOW ASSURANCE

Infinity combine flow assurance, process engineering and production chemistry to deliver production assurance solutions. We specialise in field development through to operations and optimisation.

SERVICES



FIELD DEVELOPMENT

- Field development (greenfield and brownfield)
- Specialists in complex fluids including:
 - Heavy oil
 - Sour service
 - Wax and hydrates
- Lab data and testing management
- Fluid characterisation
- OLGA modelling for transient multiphase flow
- PIPESIM steady state analysis

OPERATIONS

- Operations risk management and mitigation
- Operating philosophies and procedures
- Debottlenecking
- Hydrates and wax deposition strategies

OPTIMISATION

- Production optimisation and debottlenecking
- Gas lift optimisation and management start-up and shut-down review and optimisation
- Chemical injection optimisation and management
- Slugging assessment and production stabilisation

DISCIPLINES & SOFTWARE

- Flow assurance
 - OLGA
 - Multiflash
 - PVTsim
-

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Infinity is an **Independent Subsea Engineering** company providing expertise to the oil and gas industry.

We specialise in **Field Development, Flow Assurance** and **Subsea Operations** delivering projects from concept through to detailed design and operations.

Our team utilise a suite of innovative processes and in-house developed products to optimise production enabling maximum economic recovery for our clients.

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