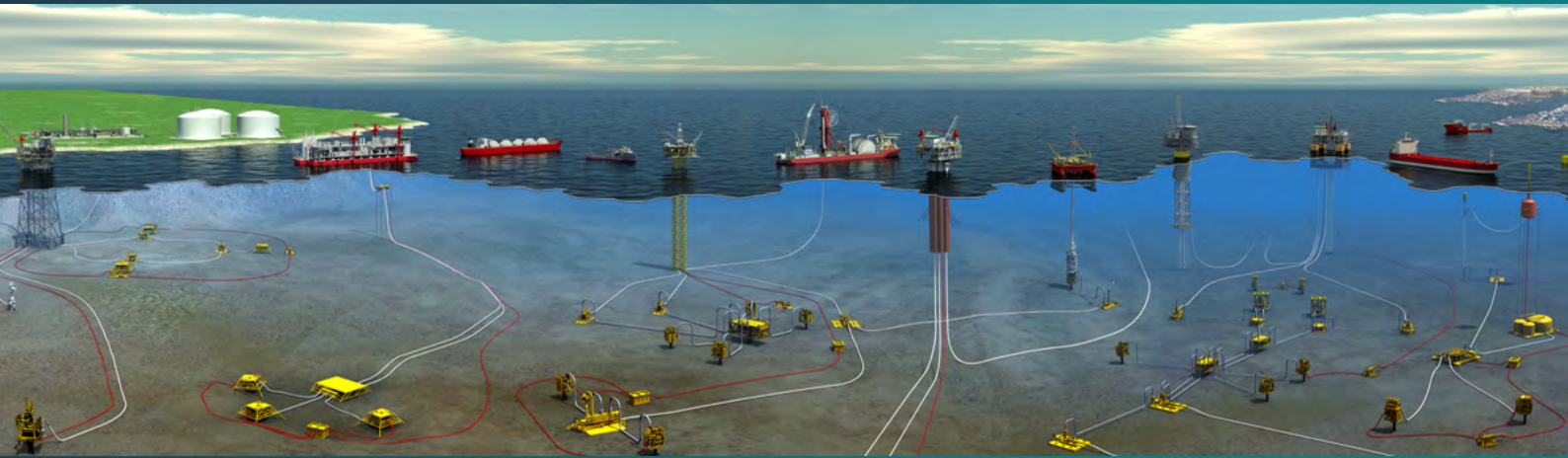


ADEPT (Asset Development, Evaluation and Planning Tool)



ADEPT is Genesis' proprietary field development planning software. It is a comprehensive, engineering-led framework that combines automated engineering calculations with bottom-up cost estimating. Designed for early-phase development and concept selection studies, ADEPT enables rapid, high-integrity engineering definition and total installed cost (TIC) estimates for offshore and onshore oil and gas projects.

HOW ADEPT IMPROVES FIELD DEVELOPMENT PLANNING

ADEPT facilitates consistent, automated, early-stage engineering and open book cost estimates, enabling rapid evaluation of multiple development options. By focusing on lean, fit-for-purpose definitions, it helps avoid unnecessary complexity, supporting efficient decision-making and project execution.

Using first-principles engineering models, ADEPT generates critical data including:

- Heat and material balances
- Flowline thermo-hydraulics
- Full field subsea architecture with material take-offs
- Complete equipment lists, covering process, utilities and supporting systems, with sizes and weights
- Topsides deck area calculations
- Preliminary definition of fixed structures and hulls (jacket, TLP, semi-sub, FPSO)
- Riser and mooring calculations (including deepwater)
- Installation vessels and durations
- Onshore reception terminal definition
- Regional cost databases for SURF, topsides, structures and installation



DESIGNED FOR FLEXIBILITY

ADEPT is highly adaptable and can accommodate evolving project needs, from challenging fluids to new technologies. It is underpinned by an actively maintained cost database, informed by recent project execution, weights and installed costs, supporting reliable TIC estimates in the early development phase.



**Adaptable to
technically challenging
development concepts**



**Complete total
installed cost
calculations**



**Engineered solutions
and open book cost
estimating**



**Cost assurance
and independent
verification**

BUILT BY EXPERTS, FOR EXPERTS

Developed over 25 years by Genesis' engineering and cost estimating specialists and applied to thousands of offshore development concepts worldwide, ADEPT has evolved into a highly trustworthy model that addresses unique client challenges by going beyond standard tools. Its concept-level engineering definition and cost estimates facilitate effective option screening and well-founded concept selection.

Validation against historical material take-offs, fabrication weights and installed costs supports the software's application across diverse and technically challenging offshore and onshore developments, including FLNG, deepwater, and heavy oil projects. Operating at the AACE Class 4 and 5 levels, ADEPT delivers the type of credible weight and cost estimates typically associated with later project phases.

