



Oil and Gas Manager

Make objective development and concept selection decisions with absolute confidence

Oil and Gas Manager (OGM) is an industry standard project planning tool designed to develop complete technical definition, as well as capital and operating cost estimates, for oil and gas development projects worldwide.

OGM is an integrated design solution that improves reliability, optimizes performance and reduces cost and cycle time during the concept appraisal and selection phases for oil and gas companies.

Use throughout project life cycle

Oil and Gas Manager technology can be used through all project stages, focusing on:

- **Field development planning:**
Systematically assess the feasibility and viability of a range of potential development concepts, even with significant variation or uncertainty in input data.
- **Concept selection and design:**
Identify technically and commercially feasible field development scenarios and facilities concepts. Verify, optimize and re-validate concept selection work.
- **Front-end engineering and design:**
Evaluate design change impacts, resolving discrepancies and oversights quickly and consistently.
- **Operation:**
Develop production model based on as-built data for an existing facility. Perform benchmarking analysis, debottlenecking studies, brownfield modification design and decommissioning estimates.

Early influence is critical

Transitioning field development projects from early conceptual work through the engineering, procurement and construction phases demands agility, reliability and predictability. Early evaluations with OGM offer the greatest influence on project outcome with minimum investment, thereby reducing risk through development of an appropriate level of definition for early project gates.

Reduce cost and cycle time

The advanced capabilities of OGM help address critical design, cost, HSE and economic timeline considerations, such as:

- **Design:**
Rigorous algorithms for oil and gas developments enable users to quickly develop consistent designs. The sizing bases for process equipment, utility balances, pipelines and other components are directly traceable back to the inlet fluid.
- **Cost:**
Up-to-date regional cost databases and historical data help ensure reliable estimates. Execution strategies, CAPEX phasing and OPEX modeling are all integrated into a life-of-field approach to provide accurate cost vs. revenue comparisons. Benchmarking existing cases can further align the model with local influences.
- **Health, safety and environment:**
OGM supports safety and risk assessments, addresses high level layout design, aids in optimizing energy efficiency and even estimates CO₂ footprint over the life of the field.

Balance uncertainty and risk against potential benefits

From onshore to offshore and shallow to ultra deepwater developments, OGM's rigorous simulation package and comprehensive regional cost databases provide the critical insight required to balance uncertainty and risk against potential payout.

Develop a quantitative and systematic assessment of the technoeconomic feasibility of multiple concepts, including:

- Offshore fixed structures
- Subsea components
- Floating solutions
- Onshore facilities
- Onshore, offshore pipelines
- Riser concepts
- Driver selection
- Weight reduction
- Parametric sensitivities
- Production decline based design

Reduced development time


OGM automates engineering calculations, making it easy to perform side-by-side comparisons of multiple development concepts, facility designs and scenarios simultaneously and helping reduce development time and cost.

Consistent results

OGM's framework allows users to incorporate design preferences, regional influences, benchmarks and past project experience to help ensure consistency and traceability of results. Across engineering disciplines and functional responsibilities, OGM is a collaborative tool that is ideal for capturing and integrating team knowledge into the asset development process.

Licensing and support

Flexible licensing options, customized training, 24/7 user support, implementation and technical consulting services help ensure you get the most from your technology investment.



For more information about this and other professional consulting services, contact us at 1 (800) 658-8809 or +1 (713) 570-2900 or info.ogm@siemens.com.

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