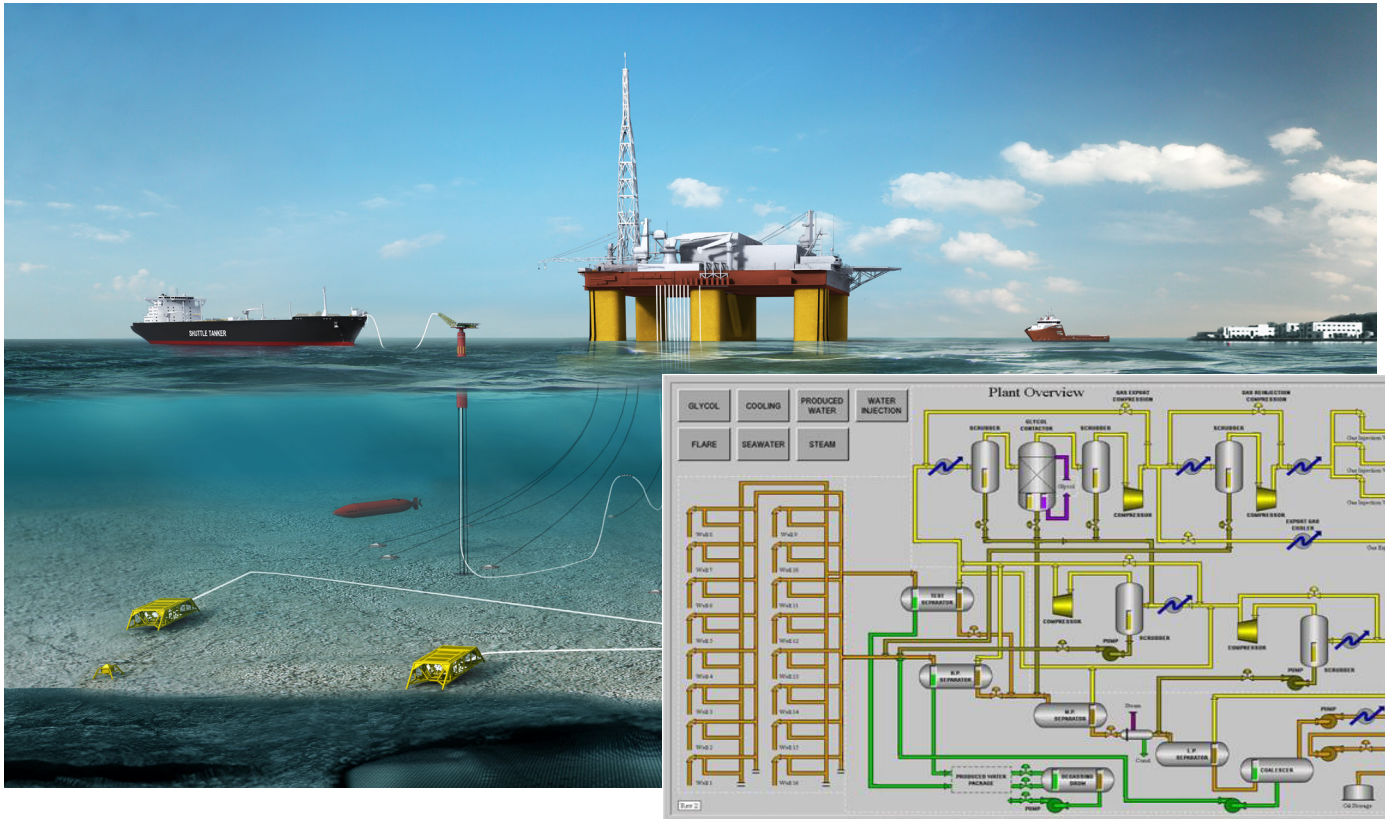


Oil and Gas Production Simulator



KONGSBERG



The Oil & Gas Production Simulator, from Kongsberg Oil & Gas Technologies, consists of the main process areas that are typically found in an Oil & Gas facility, as well as several process utility systems. The simulator has high-fidelity modules that accurately reflect the behaviour of a typical process. The model is robust and accurate over a wide range of operating conditions and is able to run both in real time and faster than real time.

Extensive and detailed documentation such as P&IDs, C&E charts, process description, control narratives and operating manuals are delivered with the Oil & Gas Production Simulator to allow for course preparations, as well as for use during a training session.

Simulated Process

- Wells & Inlet Manifolds
- Oil Separation
- Oil Export
- Gas Recompression
- Gas Re-injection Compression
- Gas Export
- Produced Water Treatment
- Fuel Gas
- Cooling Medium
- HP Flare
- Seawater System
- Water Injection
- Steam System
- Closed Drains
- Power Generation & Distribution
- Fire and Gas Detection System

Simulator Features

- High resolution graphics
- Operator Actions
- Field Operator Actions (FOA)
- Distributed Control System (DCS)
- Predefined Initial Conditions
- Predefined Trends
- Alarm System
- Save/Restore Initial Conditions
- Save/Restore Snap Shots
- Malfunctions
- Scenario Editor
- Educational Information
- Settable Boundary Conditions
- Changeable Simulation Speed
- Event log

Simulator Deliverables

- Software Licenses
- Hardware
- Installation
- Documentation
- Training Course - Oil & Gas Production
- Training Course - Instructor
- Support Services



Simulator Training - Learning by Doing

The Oil & Gas Production Simulator, from Kongsberg Oil & Gas Technologies, is designed to create a safe and informative environment for expanding knowledge in an effective way. The simulator is an excellent visual aid to help enhance the learning experience and to ease cross discipline communication. Training can be set up for varying degrees of difficulty and adapted to target specific skills. The simulator is suitable for students and trainees as well as experienced personnel in several disciplines including chemical, process and automation engineers, operators and operation support staff.



Basic Training

- Process Equipment
- Process Behaviour
- Process Control
- Laws of Physics

Operator Training

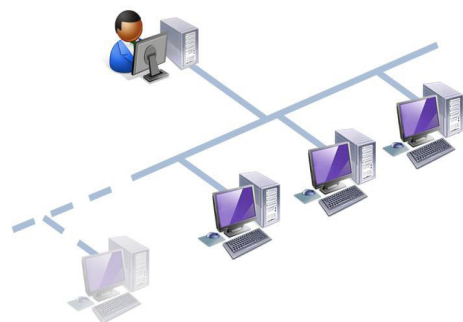
- Process Start-up
- Normal Operation
- Process Shut Down
- Alarm Handling

Advanced Training

- Abnormal Operation
- Troubleshooting
- Process Optimization
- Emergency Operation

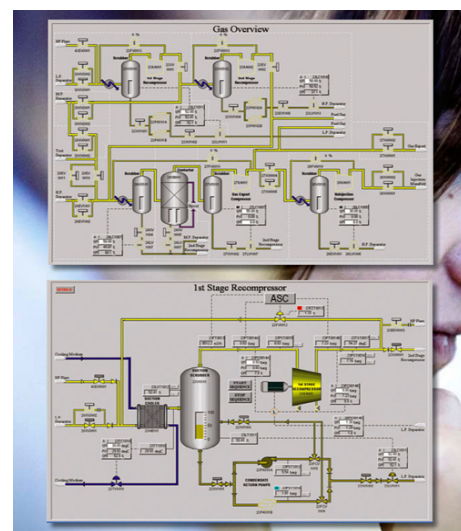
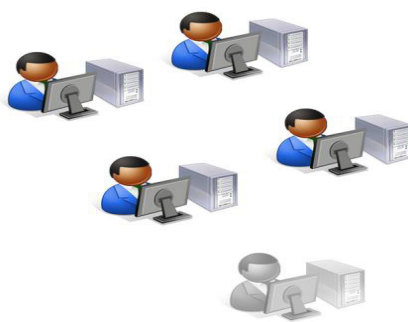
Instructor-Operator mode:

An Instructor can supervise a training session of one to several operators training on the same process model



Stand alone mode:

Individual training sessions, training on pre-defined scenarios.



www.kongsberg.com/kogt

For detailed agent and distributor list, please contact main office.

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