OLGA Online
Dynamic Production Management System
The OLGA Online system is a real-time production management system (PMS) designed with the needs of the modern production operation in mind.

Offering all you need for multiphase flow assurance, powered by the robust OLGA* dynamic multiphase flow simulator.

Upgraded for 2019, the OLGA Online dynamic production management system offers new and improved functionality. Features can be added as required to keep your costs representative of project scale.

Used on over 50 projects worldwide. Used by the world’s leading operators. The OLGA Online system uses live production data to produce real-time flow assurance and operational insights, accessed through a web browser.

What If Mode
Working offline, you can use the What If Mode to change the input variables to perform multipurpose ‘what-if’ simulation studies to understand how changes to your operating conditions will impact your operating efficiency and determine the exact configuration for optimum performance. Additionally, the Web Scenario Tool enables you to create, save, load and edit your simulation scenarios.

Look Ahead Mode
Understand what will happen to your flow over time using the Look Ahead Mode (LAM) to identify where action is required, early. Starting from current operating conditions, you can run forward-looking dynamic simulations, to forecast future production parameters and potential upsets, and receive advisory suggestions to keep your operation at optimum levels.

Real-Time Digital Twin Core
At the heart of the OLGA Online system is the Real-Time Digital Twin Core—a real-time representation of your pipeline and well production. The Real-Time Digital Twin Core calculates and reports your pipeline pressures, temperatures, flow rates, holdup profiles and other key production parameters, from everywhere within your system at any time. These variables can be reviewed live or at any historic point.

Load snap-shots into the OLGA simulator to perform more detailed engineering studies.

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- Real-time virtual metering and instrumentation (Digital Twin of the field)
- Optimized production and uptime
- Expanded operating envelope
- Key events notifications (leaks, hydrates, surges, etc.)
- Calibrated models with field conditions for import into the OLGA simulator
- Web Scenario Tool for planning operations efficiently
- Automatic monitoring and reporting