



Maestro

Highly accurate flow assurance and process simulation software by Wood Group

Wood Group's Maestro flow assurance software enables our customers to accurately visualise, analyse and interpret their simulation results. Taking information from steady state and transient flow simulators, the software provides better understanding of phase behaviour and potential operational limitations.

What it does

Maestro streamlines flow assurance engineering work practices, standardises routine post-process activities and offers advanced flow assurance calculations. It delivers accurate analysis and verification which in turn enables our customers to review and pre-empt critical operational issues.

Our software also contains comprehensive flow assurance calculations which are not readily available in standard simulations. This mitigates the need for manual calculations, multiple spreadsheets and other calculation methods, providing a customised and consistent single point solution that improves quality, reduces the risk of error and elevates the administrative burden of multiple applications.

Maestro helps improve workflow by providing the pre and post-processing simulations, which enables the third party multiphase flow simulator to complete the actual simulations to maximise utilisation.

Benefits of using Maestro

- Compatible with most industry recognised single and multiphase thermo-hydraulic simulators, both transient and steady state
- Offers an intuitive graphical user interface (GUI) to help visualise complex operational trends with ease, enabling easy identification and analysis of critical issues
- Provides a comprehensive range of advanced flow assurance calculations
- Delivers a simplified approach to calculations, enabling a standardised flow assurance engineering workflow
- Replaces typical spreadsheets and assures more accurate results
- Streamlines flow assurance engineering practices, mitigating the need for multiple post-process activities
- Enables users to focus on engineering decision making
- Easily integrated with in-house engineering tools and can support both standard and custom units
- Enables users to use advanced flow assurance calculations as well as electronic corrosion engineering calculations to support additional studies

Tested and validated by

100+

flow assurance engineers

Used in over

2000

projects worldwide



Key features of Maestro

- Provides single, multiple variables, min/max/average values and plot 3D surface of results/fluid properties
- Viewed on a single display arranged by user preference, Maestro tracks and shows multiple custom trends and profile plots such as: steady state and transient; multiple/single cases; multiple time steps (cool down)
- Enables our customers to set customised style and plot templates and create post-process modules to suit their own in-house models such as: corrosion; wax deposition; sand transport
- Create archives/plot collections to store and review data quickly, with the option to export data and graphs for engineering reports or presentations

Advanced engineering calculations and specifications

- Surge analysis for slug catcher sizing
- C-factor calculation
- Reviews hydrate propensity against multiple hydrate curves
- Considers wax propensity against multiple wax appearance temperature curves
- Predicts cool down time calculations
- Perform corrosion calculations when plugged into Wood Group's electronic corrosion engineer (ECE) module

For more information or arrange for a demo, please visit:

www.woodgroup.com/maestro