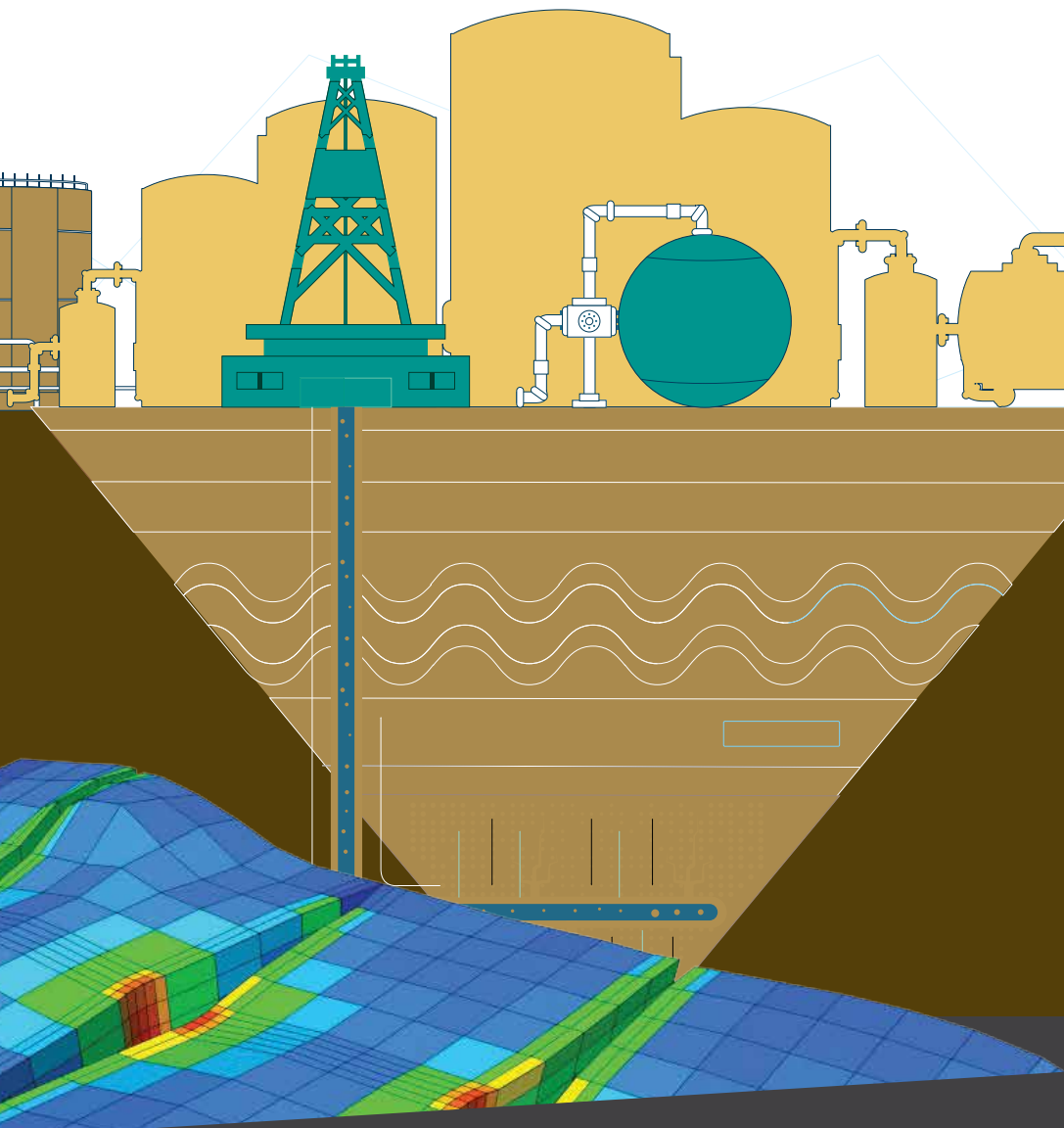




# Integrated Production System Modelling

CoFlow™ is the industry's first enterprise solution that allows reservoir and production engineers to truly collaborate on the same asset. The multi-fidelity, multi-disciplinary, and multi-reservoir capabilities result in superior engineering and economic decisions, time savings to go from concept to field implementation, and optimization of field operations for high stakes assets.



COFLOW™

## Benefits

- The only industry solution that allows for robust design of well completions and surface facilities with consideration for subsurface uncertainties.
- The system is optimized for both performance and accuracy through the use of advanced coupling techniques and network solver.
- Single vendor integrated IPSM platform that's faster and more stable than third-party solutions.
- Extensible plug-in framework supports proprietary technology deployment.

## Features

- Easy coupling of reservoir models to production systems and advanced network solver to handle asset planning, contracts, deliverability, and development options.
- Further advancements to fluid modelling capabilities including handling of pure CO<sub>2</sub> phase behavior.
- Multi-disciplinary collaborative environment for reservoir, and production engineers.
- Model multi-reservoir with varying degrees of fluid complexity and blending.
- Industry leading fluid blending techniques that ensure full fluid consistency from sandface to separator with zero errors, which is a problem with stitched-together multi-vendor solutions.

# Dynamic Tools for Today's Complex Reservoir

## End-to-End Uncertainty & Optimization Framework

Coupled with CMOST, CoFlow enables a truly integrated uncertainty and optimization workflow where big investment decisions can be gauged with attention to subsurface uncertainties, allowing anything from reservoir to production facilities to be parameterized.

## Data Consistency and Advanced Fluid Modelling

CoFlow is the only IPISM solution that ensures data consistency across all IPISM disciplines and interfaces (reservoir – well – facility).

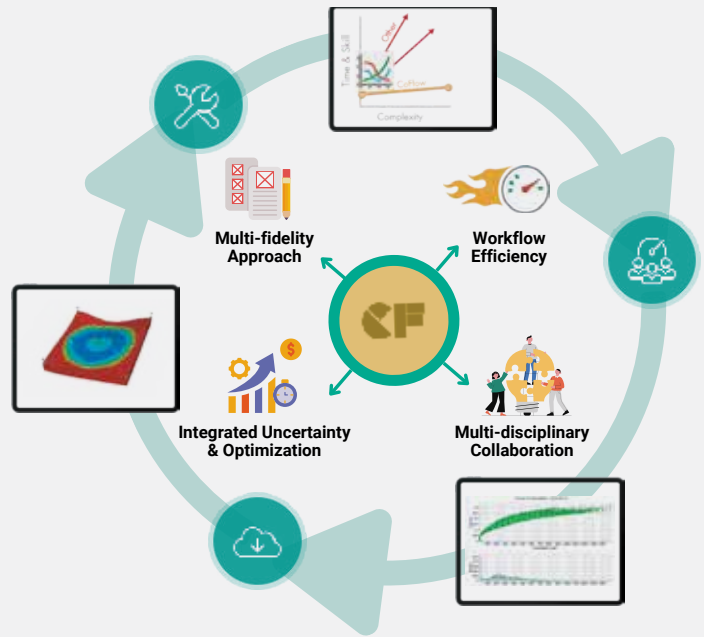
CMG's proprietary fluid blending techniques allow use of same or different fluid models in various reservoirs, wells, and facilities, with blended fluid models at all fluid mixing locations – all handled automatically by CoFlow. This allows an accurate fluid behavior everywhere in the system – from sandface to separator.

## Usability and Extensibility

Traditional IPISM workflows require expert users to set up the integrated production simulation model. Using the modern IPISM workflow, CoFlow is designed to improve usability and productivity across all disciplines, as well as user experience.

The single platform allows teams to easily audit and quality control models. An easy-to-use interface includes a comprehensive set of integrated workflows which enables all skill levels to successfully create and set-up IPISM projects.

The extensible architecture allows organizations to add proprietary technology or seamlessly interact with other tools in their corporate workflow. The full Application Programming Interface "API" allows users to customize the workflow for reservoir or production engineering best practices. With a transparent, modern, and guided workflow based friendly UI, CoFlow truly democratizes the IPISM world for all reservoir and production engineers.



## Fit-for-Purpose Modelling

Increase accuracy without sacrificing cost by choosing the fidelity of various IPISM model components based on objectives and available data. Build fit-for-purpose models with cross-discipline sharing with high performance and no loss of accuracy.

Now you can combine production and reservoir models to create a single integrated model of your complete asset.

## Complimentary Product

CMOST™ leverages cutting-edge statistical analysis, machine learning, and impartial data interpretation to pinpoint the optimal reservoir solution.



### Contact

For more information please contact [marketing@cmgl.ca](mailto:marketing@cmgl.ca)



### R&D Investment

CMG reinvests 20% annual revenue back into R&D, to further innovation and drive technology forward



### Superior Software

CMG delivers easy to use software that provides the most accurate results



### Dedicated Support

Experienced technical sales & support personnel, deliver highquality, timely and personalized customer support



### Relevant Training

CMG's industry renowned reservoir software training provides the skills to improve productivity and efficiency