



# PROCESS OPTIMISATION

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Our people have a wide range of expertise in various industries such as the Coal Seam Gas Industry in Australia, LPG, and various chemical processes. Our skills in the development and analysis of plant models for greenfield and brownfield installations will identify and provide improvements to operational issues in your plant. These optimisations help to ensure consistent quantity and quality of products and can even increase production with no new equipment required.

We will improve your plant using our expertise and your experience.

Our people have core competencies that include:

- ✓ Steady state and transient modelling
- ✓ Flow assurance studies
- ✓ Waste stream utilisation
- ✓ Process intensification

Our team have worked on projects including:

- ✓ Analysis of pipelines to determine optimal route and flowing operating windows for multiphase flows.
- ✓ Relief and blowdown system analysis to achieve higher throughput and wider temperature allowances utilising the same equipment for a gas processing plant.
- ✓ Process rating for increased flows and changing feed specifications.
- ✓ Analysis of control loops and trips for safety and reliability.
- ✓ Completion of a hydrate management study for an LPG plant.
- ✓ Analysis and enhancement of written plant operating and maintenance procedures.
- ✓ Determination of long-range process interactions that can lead to interruptions.

Our team will find the best solutions to your operating problems while minimising capital expenditure.

