



PREVISO 

Integrated Production Modeling



Previso is a hydraulic modeling tool used to forecast the production of compositional gas and associated liquids from each reservoir to separate market products.

The entire production system can be modelled:

- The reservoirs.
- The wells.
- And the gathering system of pipelines, separators, compressors etc...

Hydraulic Modelling in Previso

Reservoir Models

- Multi-tank material balance reservoir and aquifer models.
- Multi-pressure type-curves or reservoir decline curves (externally generated from a dynamic reservoir simulator).

Well Models

- Reservoir Inflow Performance Relationship (IPR) models.
- Vertical Lift Performance (VLP) correlations for wellbore hydraulic and pressure drop calculations.
- Import VLP tables generated externally.

Pipeline Models

- Single and multi-phase correlations for pipeline hydraulic and pressure drop calculations.
- Thermal loss models.

Surface Facility Models

- Compressor models or pumps (polytropic, fixed power, performance curves).
- Fuel, flare, losses, down-time, schedules.
- Compositional product recovery (LNG, condensate, CO₂ etc.)

Key Benefits of Previso

Extremely Fast

- The solution is generated in minutes, not hours
- Many scenarios can therefore be generated in a practical time frame.

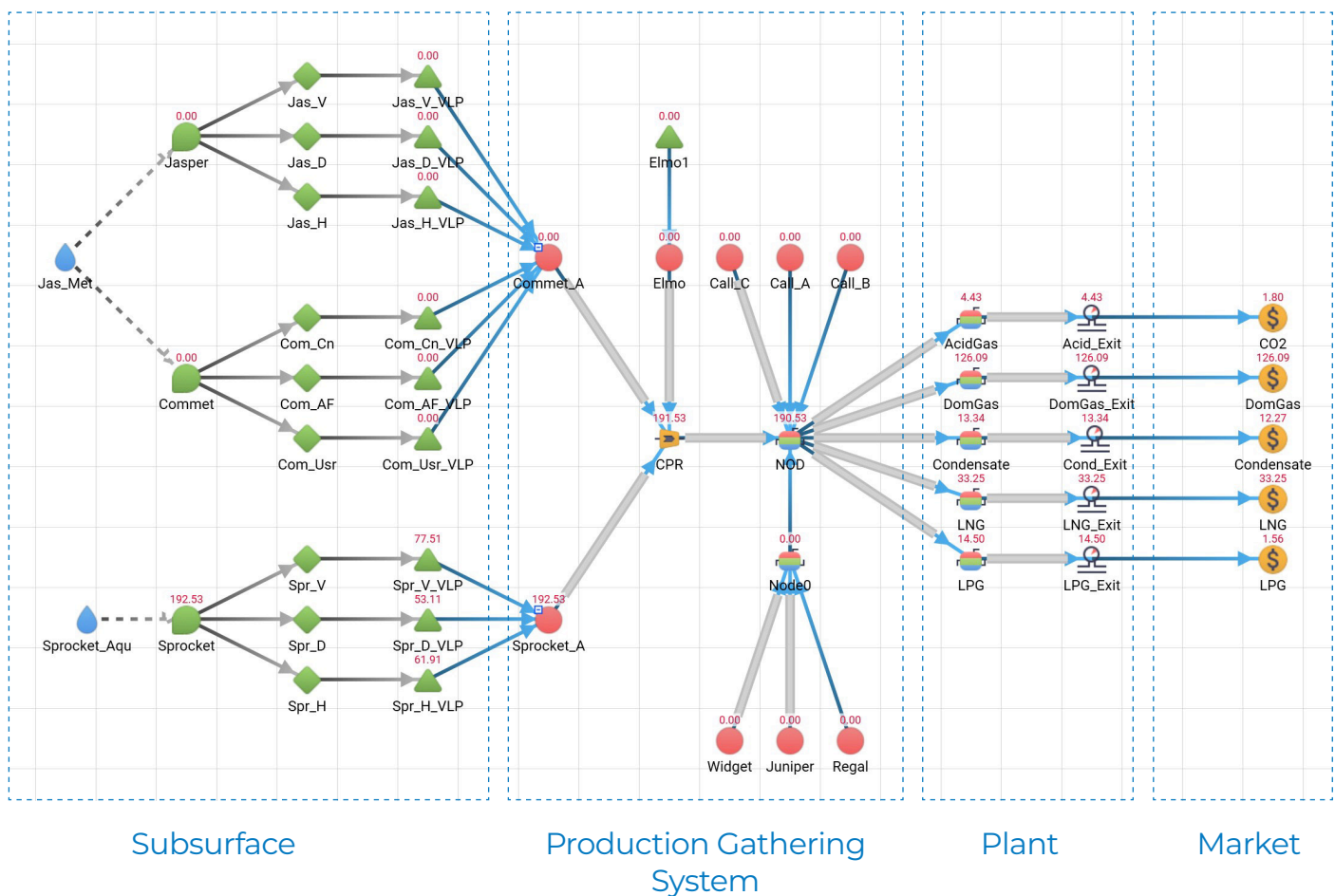
Truly Integrated

- One software package. No data acrobatics.

Market-Driven Solution

- Compositional fluid modelling.
- Can define multiple sales products.
- Simultaneously meet each product demand and/or prioritise them.

A Single Software Package for Forecasting



Quorum Software powers growth and profitability for energy businesses by connecting people, workflows, and systems with decision-ready data.

For more information or to request a demo, visit quorumsoftware.com or email info@quorumsoftware.com.