

Pipeline Control Simulator



Your technical resource for improving Pipeline process control performance

Use the Simulator to:

Train operators

- Improve process knowledge
- Understand control strategies
- Develop troubleshooting skills

Train control personnel

- Understand control strategies
- Optimize control loop tuning
- Improve troubleshooting skills

Troubleshoot control problems

- Inject 'what if' disturbances
- Inject process non-linearities

Evaluate design options

- Select optimum pressure control valves
- Test VFD/PCV control Strategies
- Identify process bottlenecks

Applications

- Select control valve for best performance
- Measure pressure loop dynamics over entire operating range
- Develop optimum controller tuning
- Develop and test output linearization logic
- Evaluate VFD's for improved control performance and reduced energy consumption
- Estimate pipeline energy consumption
- Test VFD/PCV coordinated control strategies
- Compare viscosity control strategies

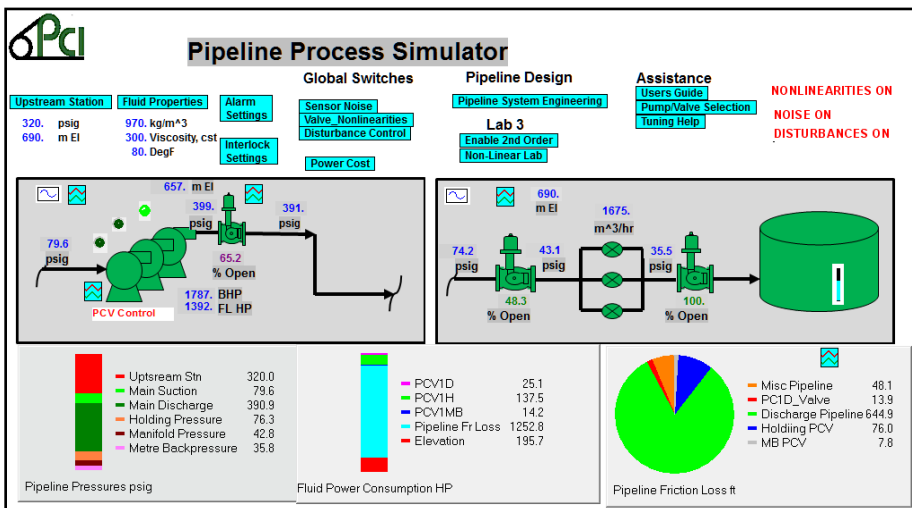
Simulator Pricing

From CDN per license \$3500.00
 USD per license \$3000.00

(Canadian Taxes Included.)
 Fees include a copy of VisSim Viewer, a Pipeline simulator handbook, and a USB protection plug.

About ProNamics

ProNamics Control Inc. is based in Vancouver, BC. The company conducts process and control optimization surveys, prepares process simulations to establish best practices and provides a range of training courses related to process control optimization. Visit our web sites at www.pronamicscontrol.com for more information about our services.



Pipeline Simulator Features

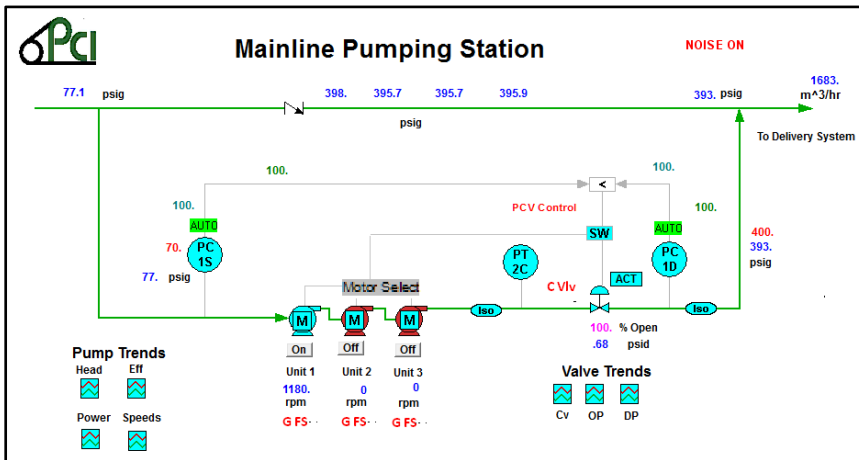
- DCS-like graphical interface
- Extensive trending and data export capability
- Built-in help displays
- Configurable process equipment
 - Pumps, Valves,
- Selectable control strategies
 - VFD / PCV control
 - Viscosity / Density Control
 - Output Linearization
- Adjustable controller tuning, filtering, controller configuration
- Disturbance injection capabilities to build troubleshooting skills and conduct sensitivity analysis

Controller Operator Station

Valve Selection

Pump Configuration

Fluid Properties



Trend Plots

