**BPT-LLX™**

# Make LedaFlow® multiphase simulator part of your transient UniSim Design® model

- ➢ Connects process simulators to wells, production, injection and export pipelines

- ➢ Improves fidelity of dynamic process model boundaries

- ➢ Optimise plant inlet arrangement to maximize production within the plant safety levels and flare capacity

- ➢ Reuse flow assurance models and enhance collaboration across disciplines

- ➢ Evaluate pigging operations including topside equipment design and control structures

- ➢ Test and verify slug control system and strategies

- ➢ Enable realistic operator training systems

**LedaFlow®**

## The bottom line

**Optimise designs, operations and prepare tie-ins with minimum modifications.**

**BPT LLX® assists realistic and cost effective production chain decisions.**

# What is BPT-LLX®?

BPT-LLX® is available as an extension linking the multiphase simulation software LedaFlow® (v2 and onwards) from Kongsberg Digital to UniSim Design from Honeywell Process Solutions.

The App is easy to use and quick to implement in your process simulation.
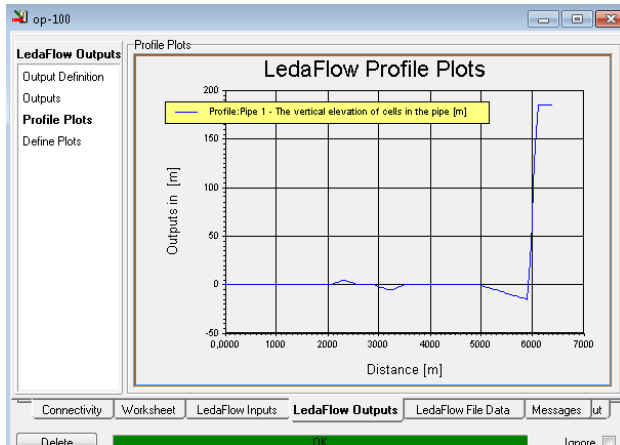


Virtually all LLX® inputs and outputs are available through browsing the LedaFlow model. This allows full control of what happens inside the LedaFlow® model from the simulator GUI. It also allows trending of any variable and plotting profiles.

The App automatically initiates snapshots to ensure that the simulator and LLX® are in consistent states after reloading a model. In this way, various scenarios can be run starting from the identical initial conditions and can easily be compared.
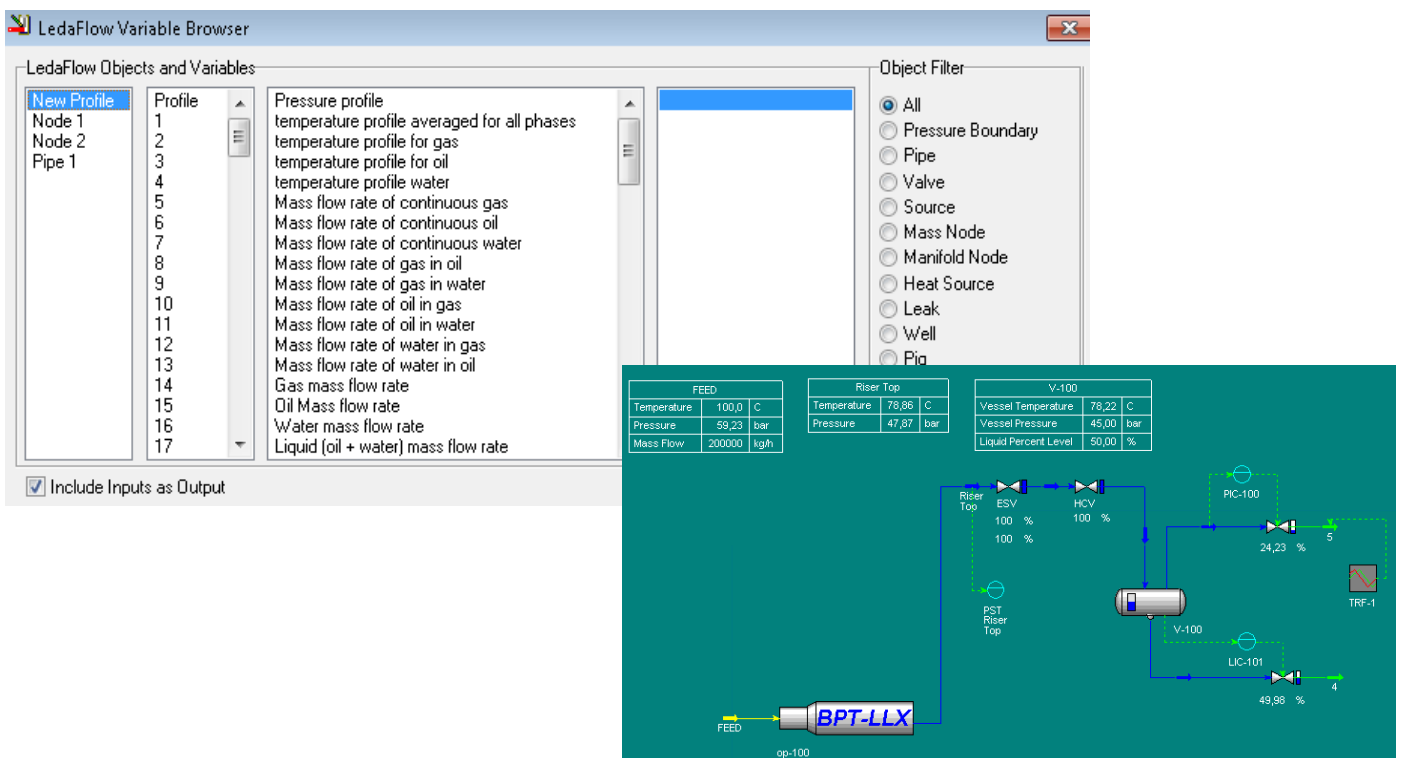




The App features multiple measures to ensure stable operation.
- Exchange of derivatives to ensure robust operation under brutal transients
- Multiple options for cases under near zero flow conditions
- Continuous updating of compositions to avoid phase flow inconsistency

**BPT**

Apps for Process Simulation™