ProcessTemplates

ProcessTemplates

All Processes have repeatable events

- Batches, Operations, Phases
- Product or Grade Changes
- Turbine Start-ups
- Hourly Load Schedules

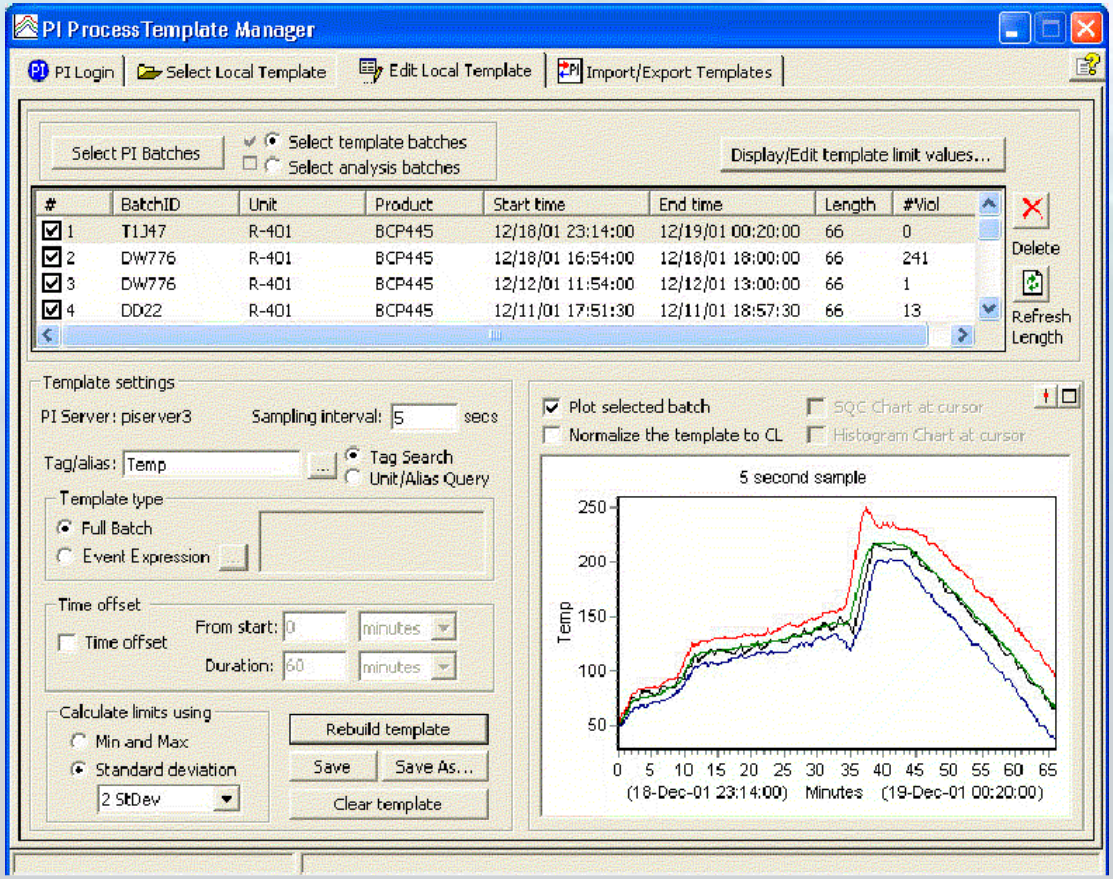
Measures and Monitors Process Repeatability

Uses PI, PI Batch and the PI Module Database

Third Party Product developed by Exele Information Systems

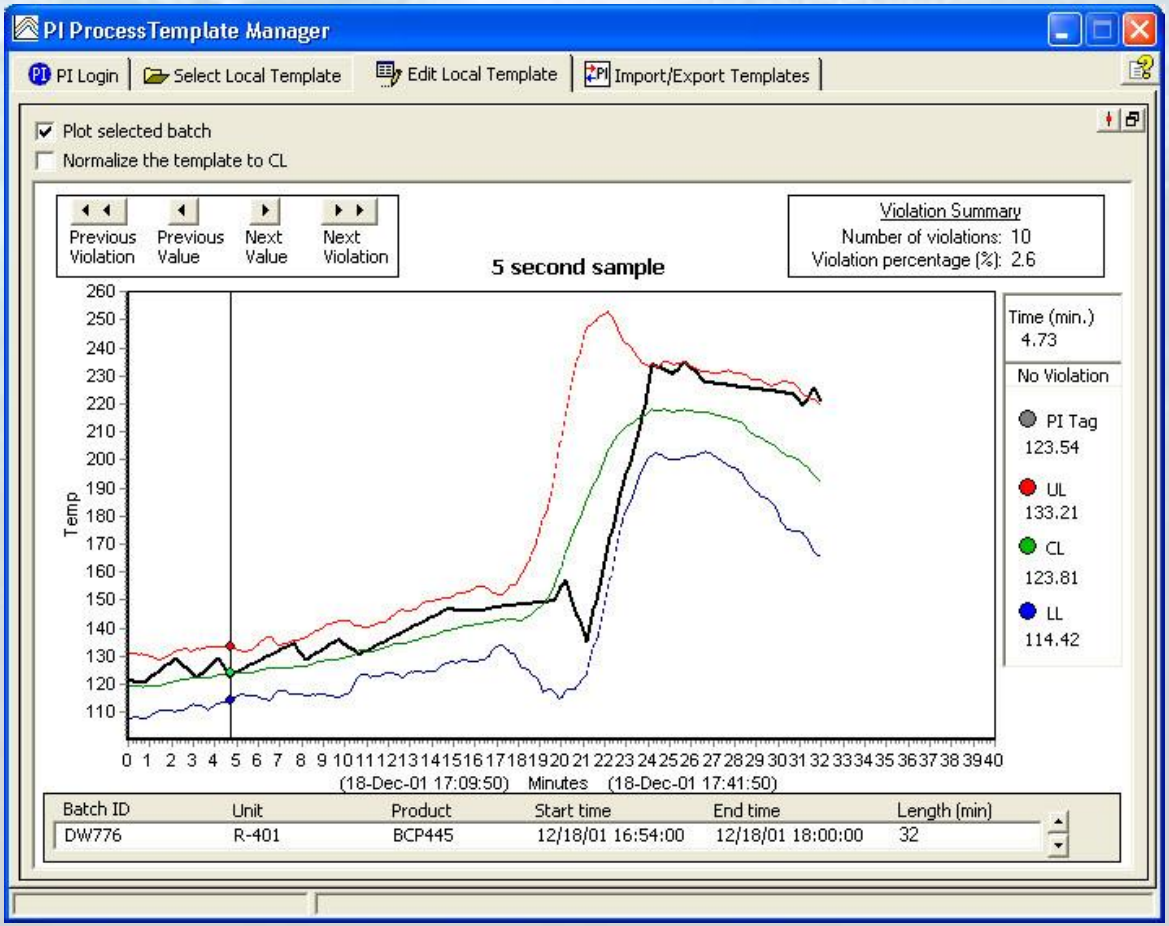
ProcessTemplate Manager

Client tool to Build Templates and Measure Repeatability



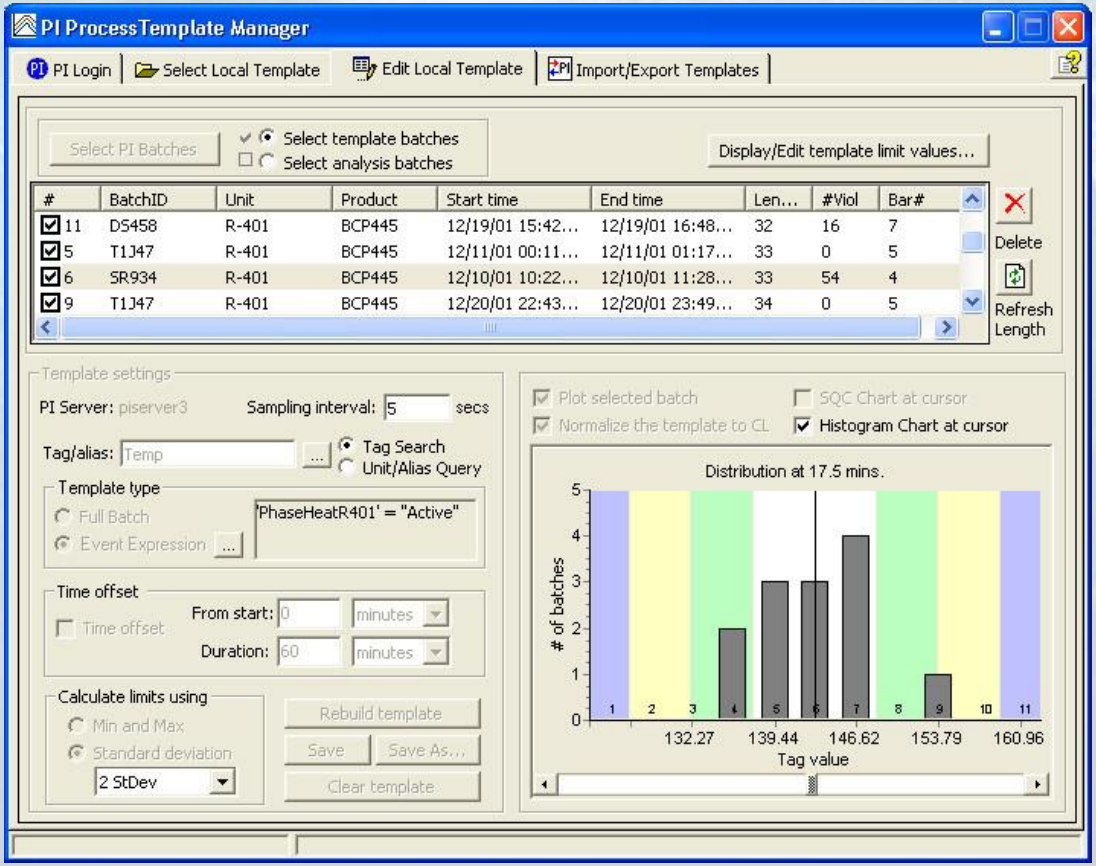
ProcessTemplate Manager

Compare a key performance indicator against a Template



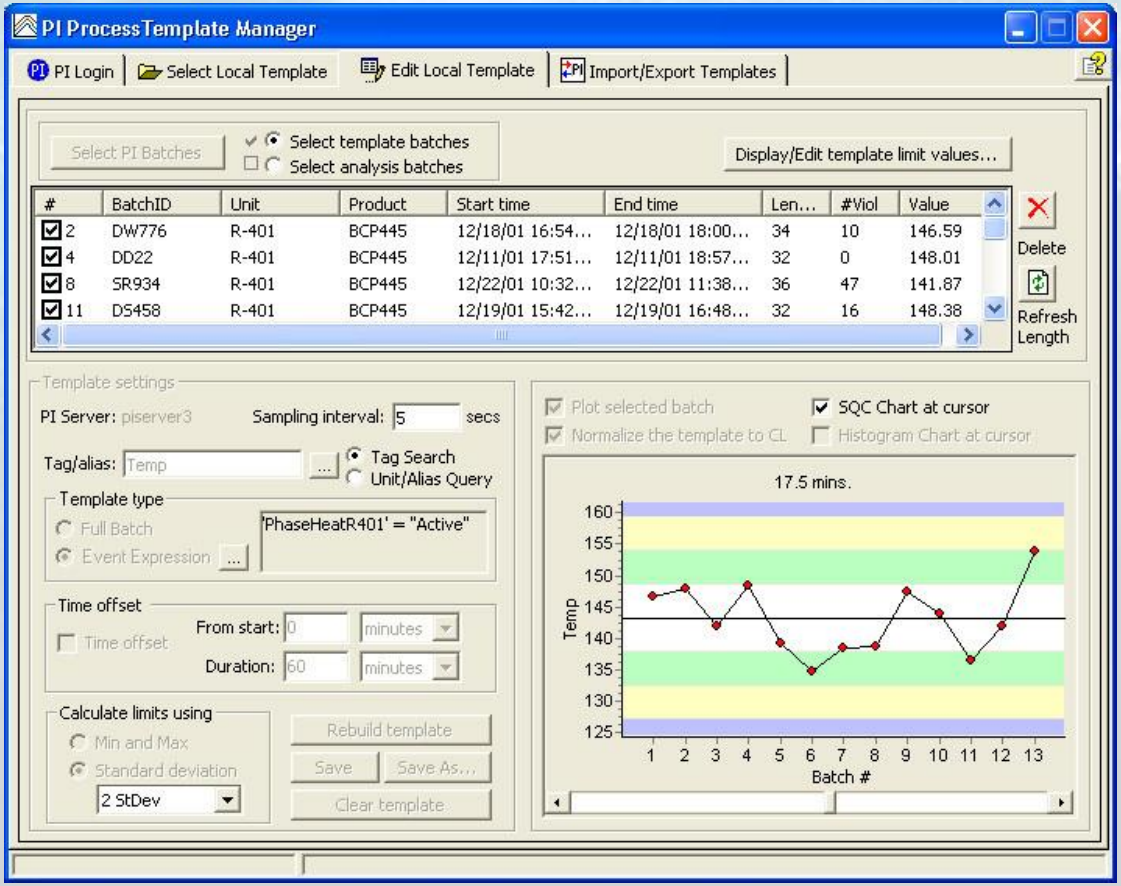
ProcessTemplate Manager

View the Distribution of values at a given time into an event



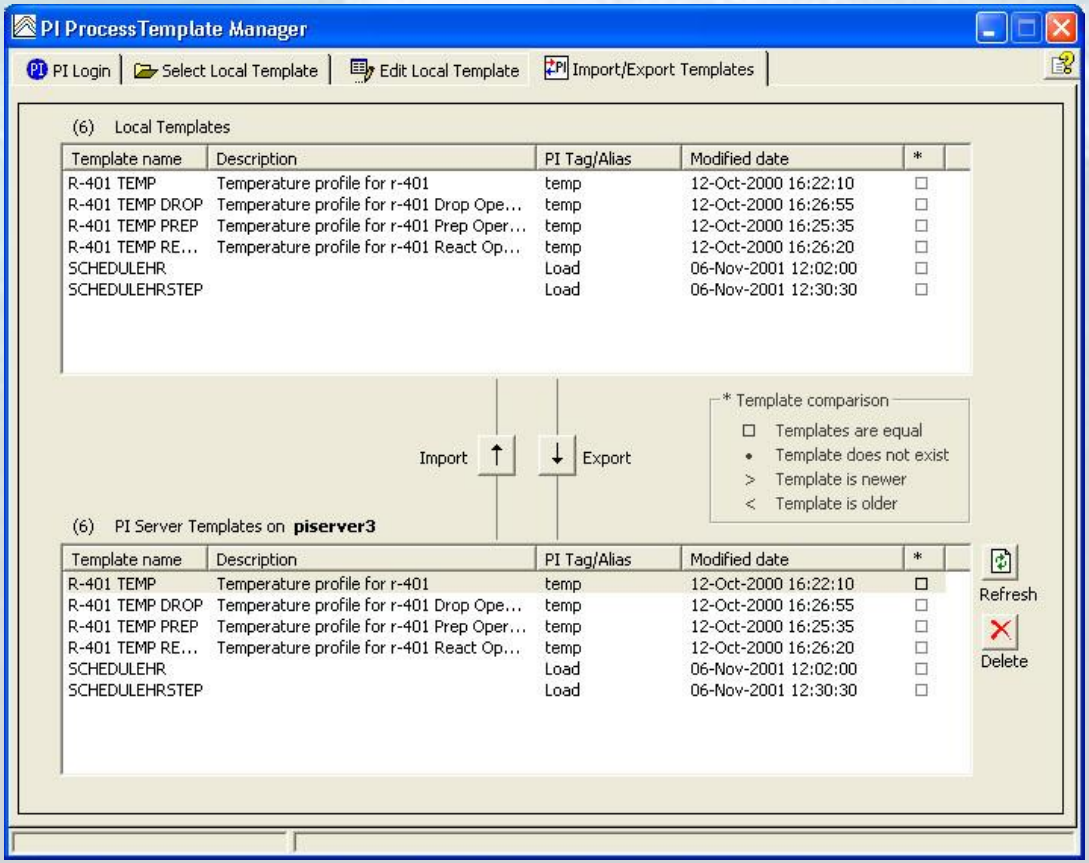
ProcessTemplate Manager

View the actual values of a key performance indicator at a given time into an event



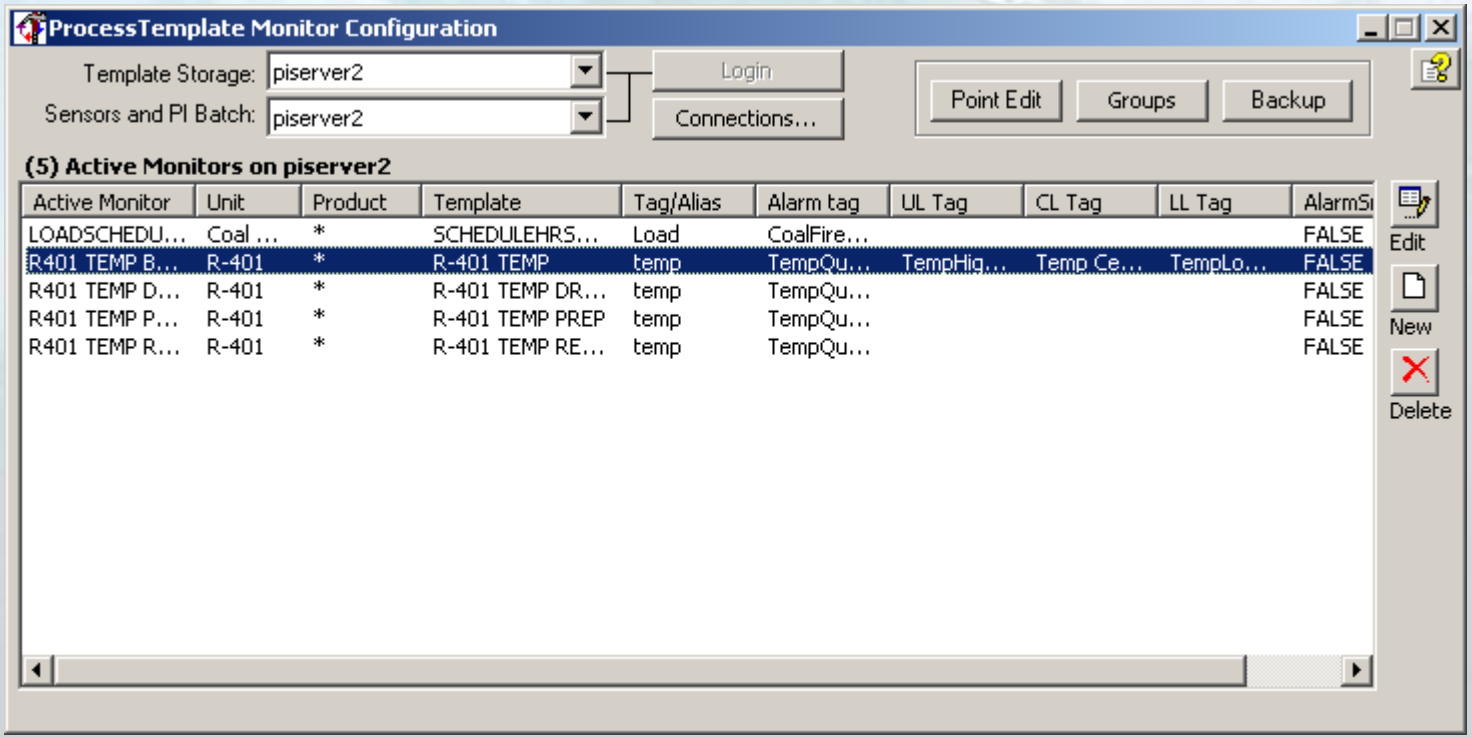
ProcessTemplate Manager

Export Templates to PI Module Database



ProcessTemplate Monitor

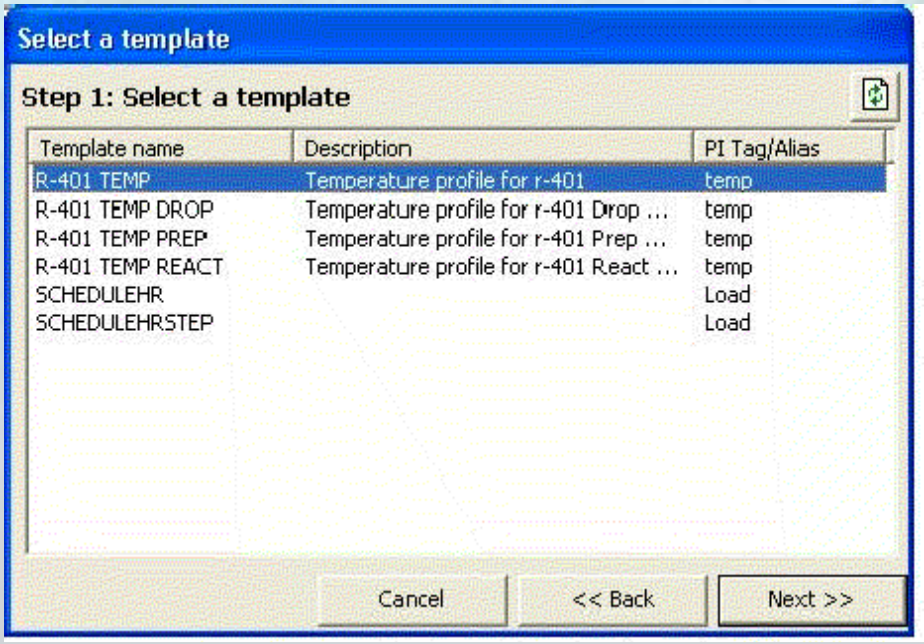
Monitor Processes against stored Templates



ProcessTemplate Monitor

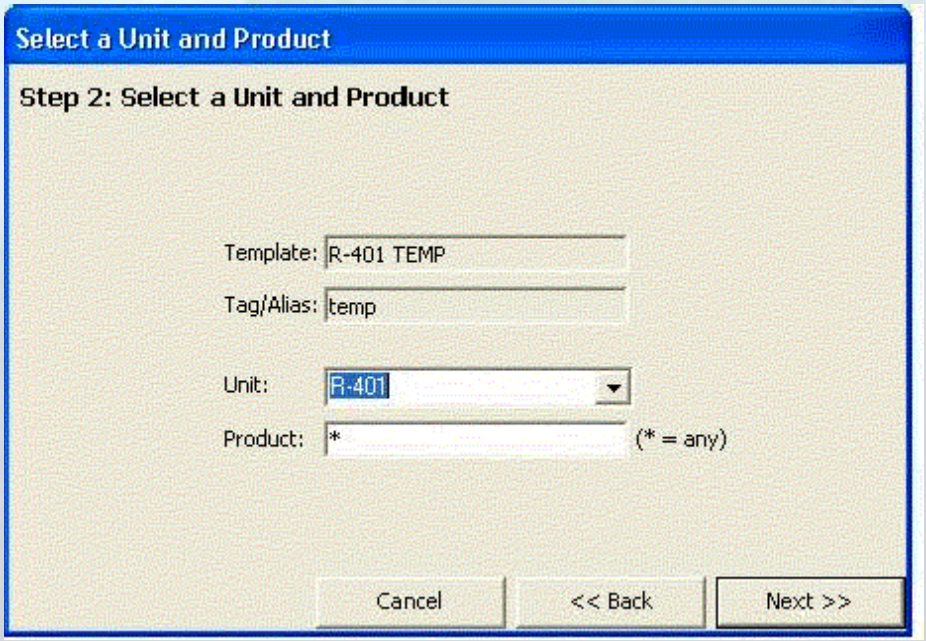
Create a Monitor to Monitor Processes against stored Templates

Select a Template for the Monitor



ProcessTemplate Monitor

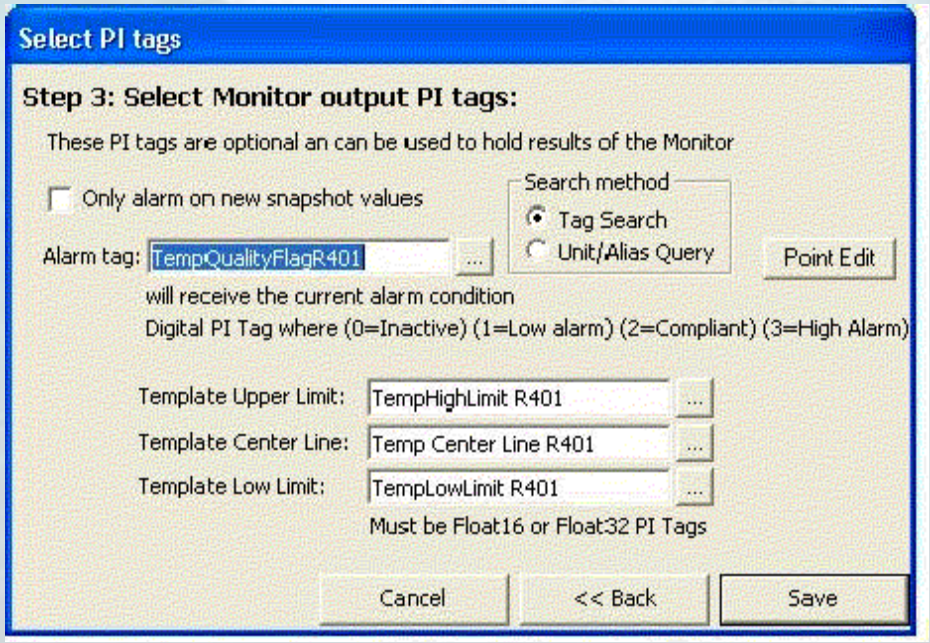
Specify the Unit to Monitor and the Product for which it Applies



ProcessTemplate Monitor

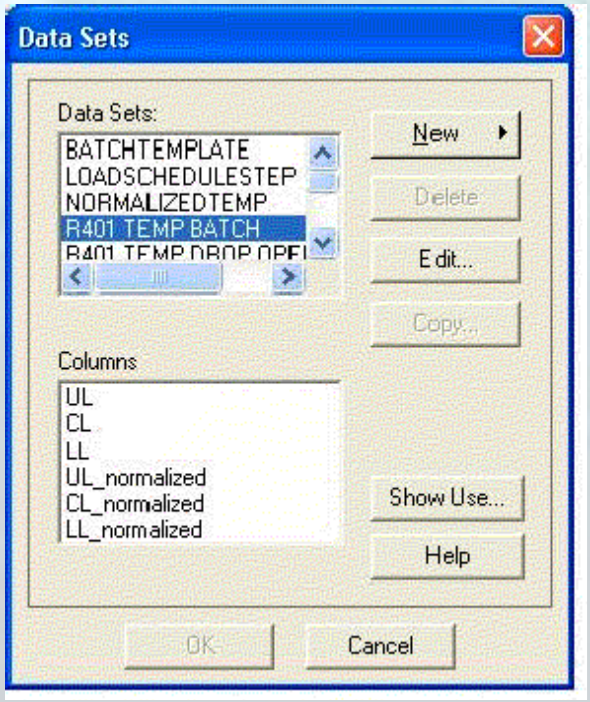
Processes that violate a given Template are alarmed with a PI Tag

The ‘as run’ Template is optionally stored in PI Tags



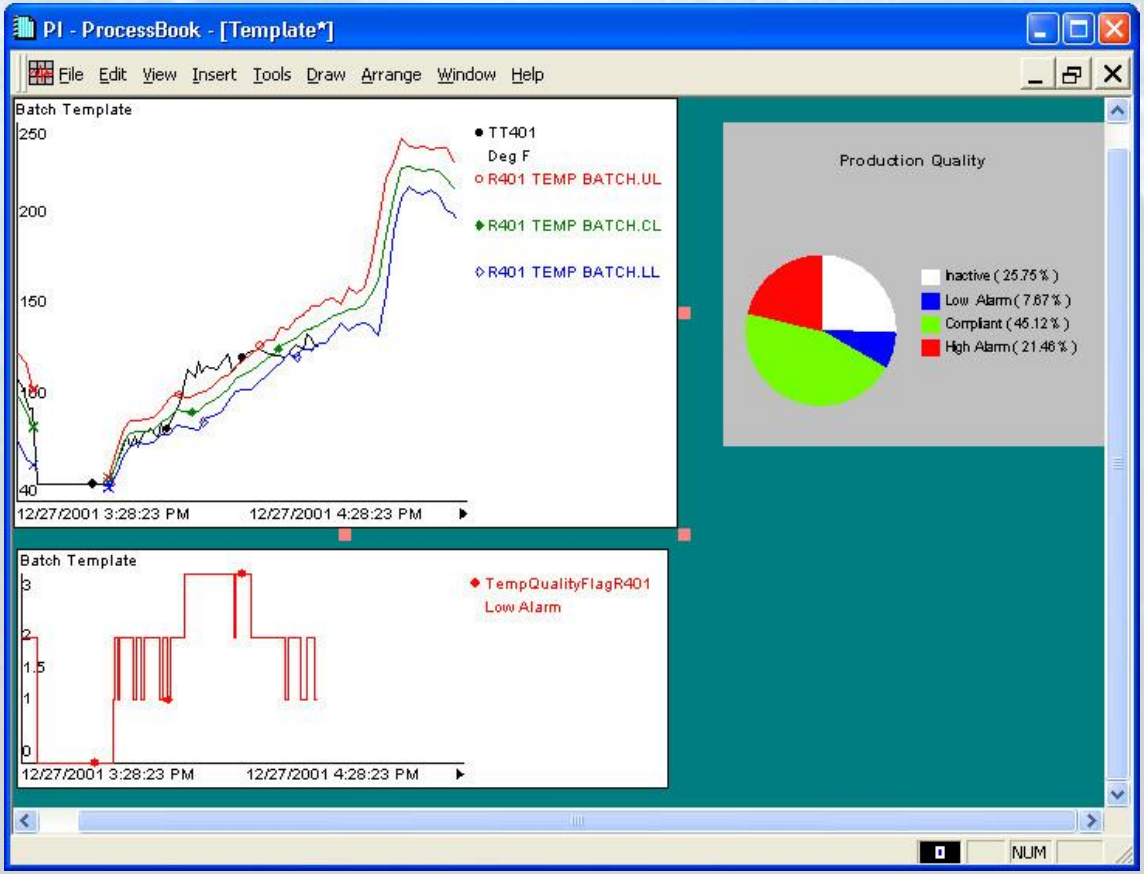
ProcessTemplate Add-In

Add-In to ProcessBook that Presents Templates as Data Sets



ProcessTemplate Add-In

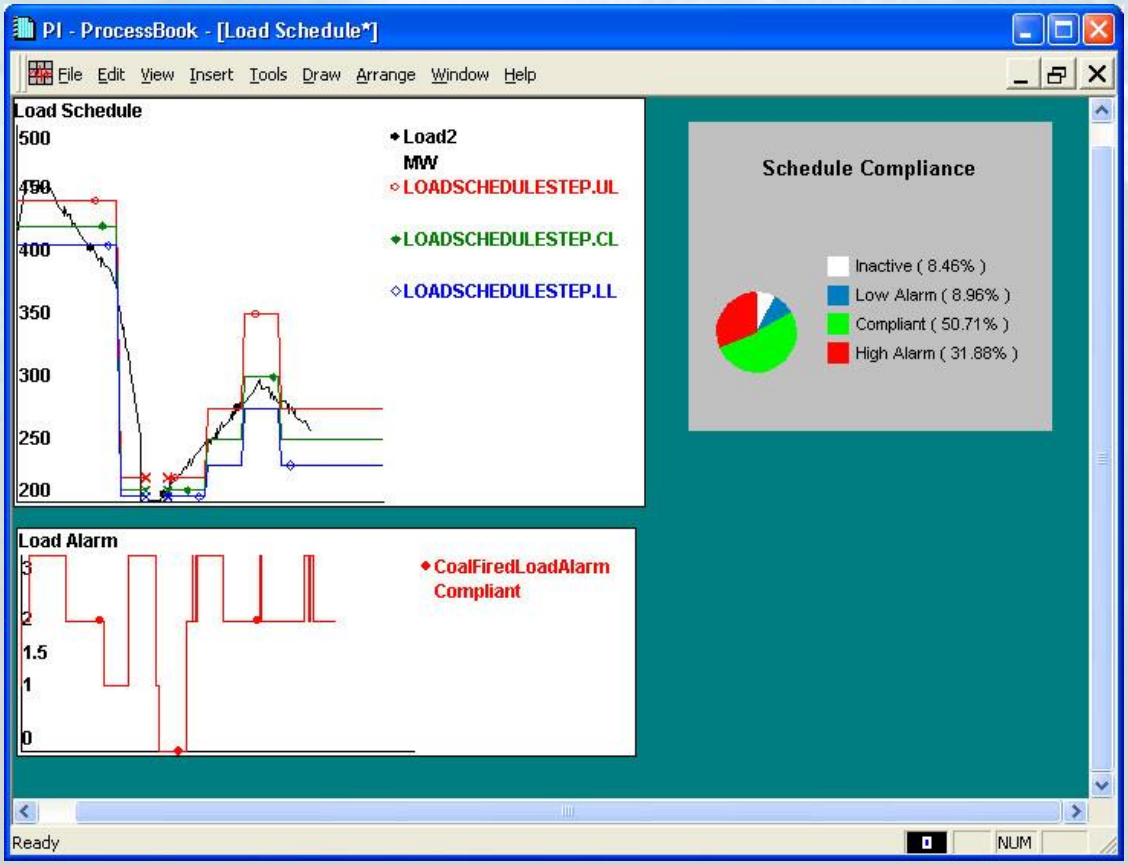
Templates are plotted into the future against current operating conditions.



ProcessTemplate Add-In

An Active X Server allows Templates to be updated in real time.

Measure Generator Performance with dynamic Load Schedules



ProcessTemplates

Key Benefits

- Reduce Cycle Times
- Reduce Product Variability
- Identify Process Bottlenecks
- Improve Product Quality
- Raise real-time alarms on non-linear limits
- Notify when events do not conform to schedule
- Increase repeatability of turbine start-ups
- Buy or sell power on the spot market by comparing power generation to Load Schedules

ProcessTemplates

"ProcessTemplate Manager is the most intuitive batch analytical software I have seen..."

Raj Bhadauria, AOC

"PI and PI Batch was used to reduce the cycle times of our batches by 40% and saved $5 million in two years…"

Barry MacGregor, Dow Corning Corporation