

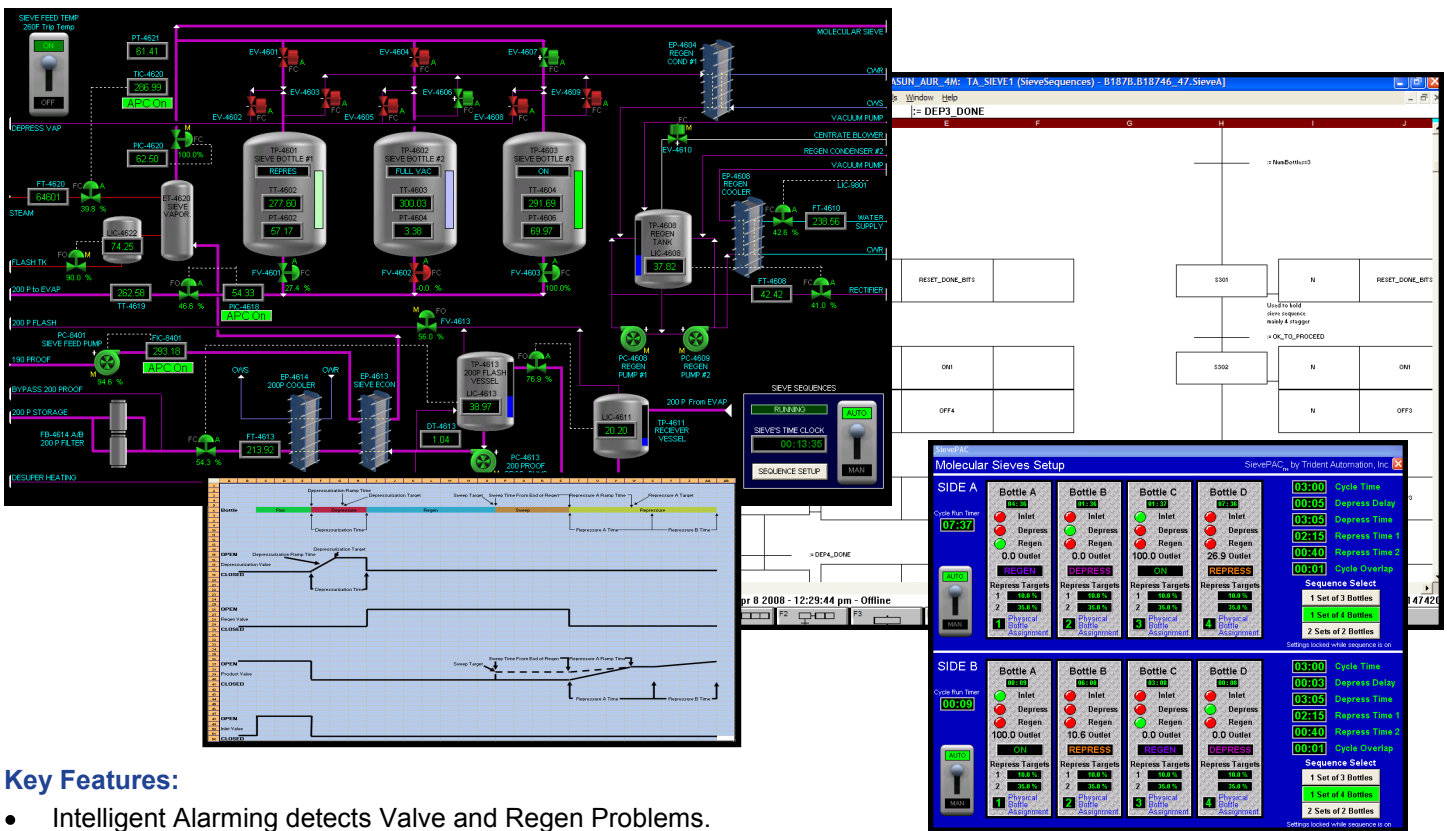


SievePAC Enhanced Mole Sieve Automation

Trident Automation has created a set of enhanced DCS function blocks to operate your sieves. This package can reduce the impact of cycling on the sieve beads, allow flexible sequencing, allow a straight forward way of adjusting sequence times and coordinate sequences between multiple sets of bottles. This code has evolved and solidified using Trident's experience in dozens of ethanol plants and feedback from plant operations.

NEW RELEASE!

Trident Automation has released SievePAC 1.5 for the Foxboro I/A DCS and SievePAC 3.0 for Siemens APACS is in Beta testing set for a July 2010 release. The enhancements are a result of continuing input from plants using and evaluating the product. The features, such as simplified time settings, in the new release can be applied to plants with previous versions of SievePAC.



The image displays a complex DCS interface for SievePAC. It includes a main process flow diagram with various tanks (e.g., Sieve Bottle #1, #2, #3, Regen Tank), valves, and pumps. A timing chart below the diagram shows the sequence of operations over time. On the right, there are two control panels: 'Molecular Sieves Setup' and 'Molecular Sieves Setup' (repeated). The 'Molecular Sieves Setup' panel shows parameters for four bottles (A, B, C, D) including cycle times, depressure delays, and sequence selection. The 'Molecular Sieves Setup' panel shows a table of sequence targets and physical bottle assignments.

Key Features:

- Intelligent Alarming detects Valve and Regen Problems.
- Run sequences of 2, 3 or 4 bottles and dynamically select the number of beds in the sequence.
- Allows the use of any combination ramping analog valves.
- Written in open and documented Sequential Function Charts.
- Includes an operator manual.
- Can be installed on a running plant.
- Licensed per site to support any number of sieves at your plant.
- Includes DCS Function Block Set, DCS graphics, Database Automation Connections and Documentation

Benefits for your Plant:

- Ramped analog valves minimize the high velocity swings that can abrade sieve beds and stress mechanical equipment.
- Flexible sequencing allows bottles to be taken off line for maintenance.
- Straight forward time settings. Set the key times and the software calculates the rest.
- Coordination of multiple sets of sieves to minimize the impact of the sequencing on the process.
- Intelligent Alarming: Sieve problems are now reported to the operators for immediate attention.

Contact Trident Automation at (920) 759-7477 or via email to info@tridentautomation.com to schedule a webinar demonstration **TODAY!**