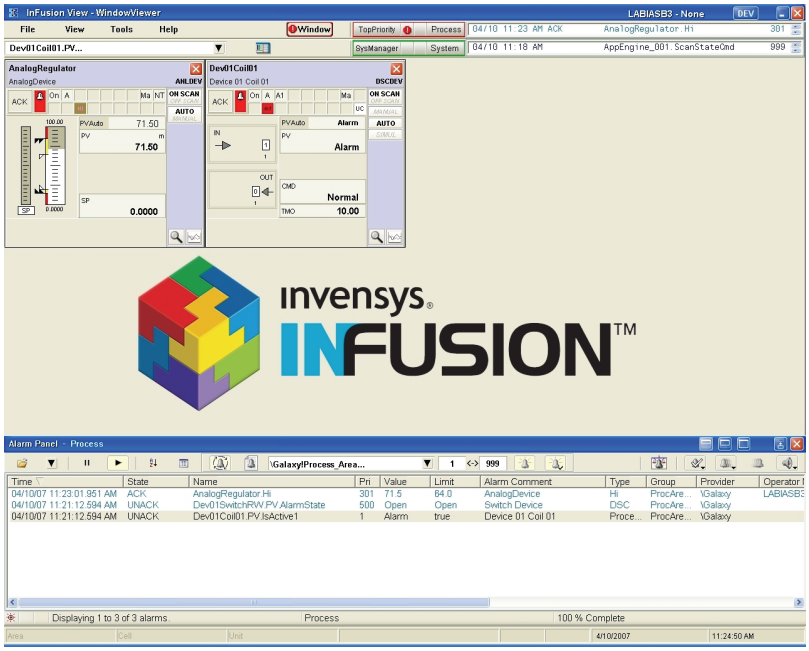
InFusion™ Software

PSS 21S-10B5 B3

InFusion™ View Foundation Edition



The InFusion™ View Foundation Edition HMI is the primary graphical human interface for monitoring and controlling industrial processes.

FEATURES

This comprehensive visualization software subsystem consists of a range of features that provide the following:

- Intuitive, easy to navigate display hierarchy
- Pre-configured faceplates and detail displays
- Process alarm summary
- Real-time and historical trending
- Role-based security options
- Powerful scripting language.
- Optional workstation redundancy

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NAVIGATION HIERARCHY

The InFusion View HMI offers a hierarchical navigation feature to organize graphical displays into logical plant-oriented groupings. With InFusion View Framer, users define up to a three-level display hierarchy in a tree control fashion that reflects the desired process plant structure. Horizontal or vertical navigation bars can be used to traverse the window hierarchy to quickly select a display at any level.

Alternatively, the hierarchy supports up to 12 entries per level which allows the user to traverse it using the standard keyboard function keys.

Figure 1. Navigation Display Hierarchy

FACEPLATES AND DETAIL DISPLAYS

A number of default application objects are represented as faceplates that may be inserted into process graphics or used in a group of up to 12 faceplate overlays. They provide real-time text and graphical information on specific I/O points. An extension to the faceplates are Detail Displays which provide more detailed information about each faceplate. Detail displays are composed of multiple overlays, including the IO View and the Alarm View.

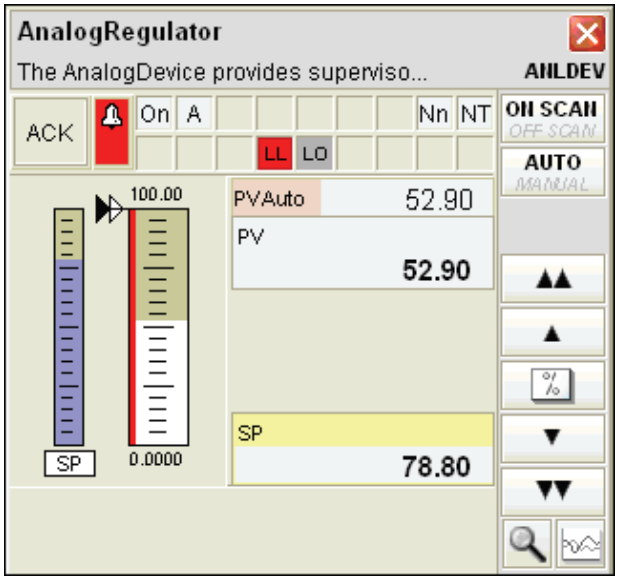

Figure 2. Faceplate Display

PROCESS ALARM PROVIDER

The Process Alarm Window at the bottom of the InFusion View displays up to ten alarms. Queries can be created by the user to apply to the alarm window such as display unacknowledged alarms, display all alarms, display Priority 1 alarms only, etc.

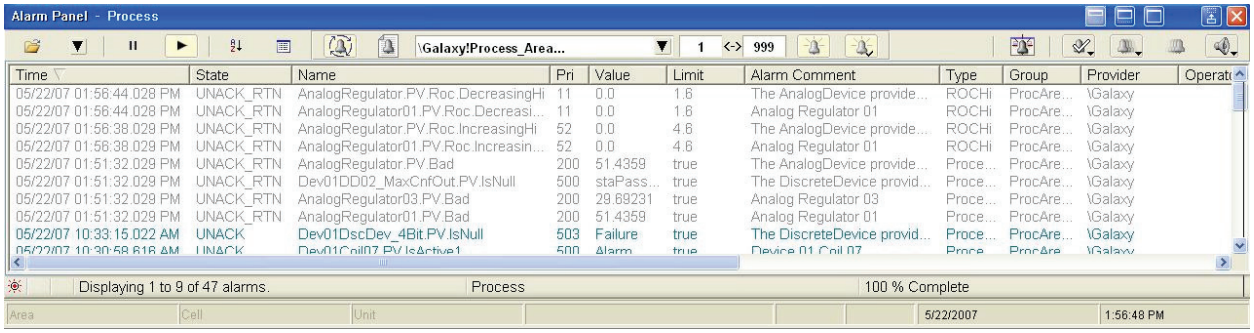

Figure 3. Alarm Window

REAL TIME AND HISTORICAL TRENDING FUNCTIONS

A powerful data trending capability is available that delivers real-time and historical charts that include analog, discrete, string or event data to notify plant personnel of process changes. Users may enter specific or relative time periods to view data to compare data from different time periods. Other useful features include:

- Scaling by tag or entire chart
- Annotations with user and time entries
- Statistics such as average, min/max
- Zoom In/Out to analyze trend details.

Also available is a workspace feature that allows the user to save the current trend desktop for later review. This includes the list of open trend documents, window sizes and placement.

Operators also have access to a multi-pen “scratchpad” trend area that allows dynamic assignments of up to 16 pen trends.

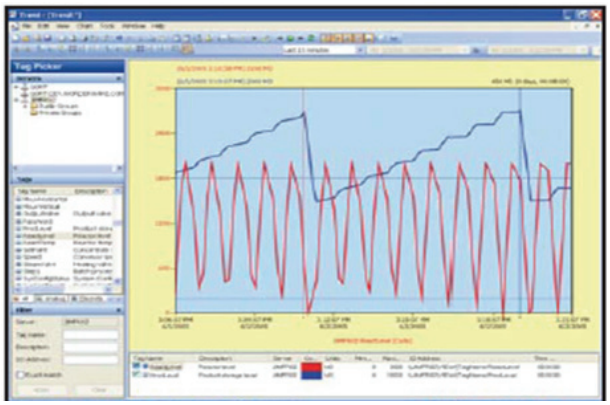

Figure 4. Trend Display

ROLE-BASED SECURITY

InFusion View utilizes a cascading security model that provides security on a per parameter basis. This three level model consists the following:

- Users are associated with specific roles
- Roles are associated with specific security groups
- Security groups are associated with specific parameters.

Created at control configuration time using the InFusion Engineering Environment, this allows the administrator to create flexible configurations that allows a user's runtime permissions to vary from object-to-object, action-to-action and process-to-process.

QUICKSCRIPT EDITOR

A Quickscript Editor is available to allow users to customize display applications to meet specific needs. Scripts can be configured to execute based on a range of parameters, such as process conditions, application events, keyboard stokes, and so forth.

The QuickScript environment supports QuickFunctions, which allow a user to develop a library of scripts that can be re-used thus reducing the application engineering tasks.

Also provided are selections of common expressions and structures, such as greater than (>), less than (<), if-then-else, along with advanced functions that include math, string conversion and others. A built-in validation engine allows the user to validate scripts before deploying them, preventing runtime errors and decreasing application development time.

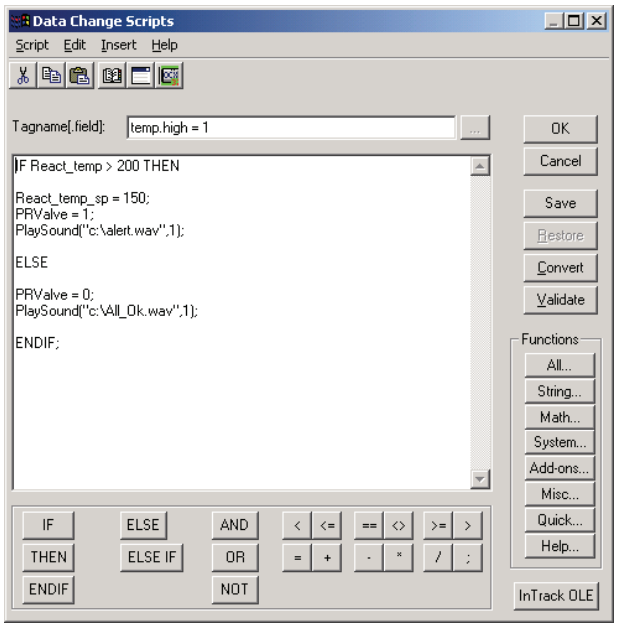

Figure 5. QuickScript Editor

WORKSTATION REDUNDANCY

When additional reliability is required, the InFusion View HMI can be part of a cost-effective redundancy solution. An InFusion workstation can be backed up by another workstation or two workstations can back each other up to offer flexibility in providing highly available configurations.

OTHER FEATURES

Terminal Services

There can be substantial cost savings when the InFusion Terminal View is employed. Using Microsoft Terminal Services, it provides users with the following benefits:

- Reduced tasks via centralized Software Administration and Management
- Use of a range of devices such as thin client terminals, PDAs, etc.
- Wireless platforms for mobile operations
- Network load balancing using multiple servers.

I/O Connectivity

The InFusion View HMI accesses data from real-time application objects running in the InFusion Application Environment (IAE). The IAE can connect to virtually any industrial automation device using a wide set of I/O servers and DAServer interfaces. InFusion View offers a cost-effective device integration solution which can interface with a number of I/O protocols including SuiteLink, OPC and a host of third party protocols.

WindowMaker™

WindowMaker is the graphical editor used to create graphical windows for InFusion View. Additional information can be found in the Wonderware WindowMaker Data Sheet.

InFusion View Framer

InFusion View Framer is a configuration tool used to create windows navigation schemes for rapid displays access, assign alarm settings, and set role-based permissions for user access to other applications.

SPECIFICATIONS

InFusion View is designed to run on an InFusion workstation running the Windows 2003 Server® or Windows XP® operating system.

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