Curtiss-Wright Product Announcement

FAMOS Version 27 (V27) Release

December 2023

Curtiss-Wright is excited to announce the release of the newest version of FAMOS software. This release has incorporated many new features and enhancements, incorporating valued feedback from our client end users. The release has been designed to make our completely integrated performance and condition monitoring solution even easier to use and includes time-saving tools that no FAMOS user should go without.

In addition, V27 builds on the solid FAMOS foundation and includes updates for graphics, calculations, data manipulation (sorting, filtering, and comparing), trending, navigation, and setup. Many of the tools have been optimized for rendering speed, reduced CPU usage, and quick access to data necessary for diagnostics.

V27 Enhancement Summary

Outlined below is a summary of several of the major features of V27. The combination of the new features, optimizations, and bug fixes makes the V27 release a significant upgrade from previous FAMOS versions. Curtiss-Wright strives to incorporate functionality recommended by FAMOS users, which delivers a business case for investing into the V27 upgrade.

FAMOS Server and Architect Enhancements

- Added a tool to check if a point is used as an output multiple times.
- Reordered tree sort order.
- Linked SYSDESC1 Description to Configure Unit form “Description” field.
- Ability to select/align multiple decision nodes and connectors in Rules Engine.
- Added ability to select multiple sensors to add to a model in PdP.
- Added a system to track model changes.
- Added a PI Web API option for PI data retrieval in PdP.
- Added an interface to view and edit Mongo collections.
- FAMOS Data Link reads updates to x-ref files when they change.
- Updated jqWidgets to current version.
- Modified LP turbine endpoint correction by extending the range of exhaust pressure to 8.0 inHg.
- Added the ability to draw a polynomial curve on an x-y graph, using constants or data points.
- Added the ability to generate multiple ad-hoc trends, both time and x-y.
- Added the ability to change min/max for ad-hoc xy-plot.

- Added modbus to point trace in PmaxApps.
- Modified alarm processing to dramatically reduce CPU usage by calc_process.exe.
- Added a Cycle Report to AutoReport.
- Added digital points to point list on utility menu.
- Added "Page" column to the utility menu point list, bad points, IVM, and alarms tables.
- Issue Tracker: Header text wraps.
- Issue Tracker: When username/password is rejected, gives a better description.
- Modified the default scaling for main and 8-point plots.
- Alarm defined on the "Actual" PdP output point based on the user defined DCS alarm limits.
- Modified the default scaling for main and 8-point plots.
- Updated the "All Sensor" tab in the display.
- Made numerous enhancements to the Data Filtering tab in FAMOS Architect.
- Added a new feature for a Boolean Auto Diagnostic Reasoning.
- Added a new feature for a system health monitor WatchDog that provides notifications regarding data input interruptions.
- Added a new feature for an Alert Management Display.

FAMOS Server and Architect Bug Fixes

- Corrected bug on new notification.
- Corrected issues with the Modbus interface definition.
- Fixed timestamp error in c-points.
- Fixed crash of MOV.EXE when an input point has bad quality.
- Fixed problem with the c-point equation solver rejection output point names that started with a number.
- Fixed date/time UTC date formatting .
- Fixed error with precision of time values in Viewer.
- Fixed opening of saved trends.
- Fixed an issue with the timer in Replay Start and Stop.
- Fixed alarm summary on utility menu to show categories and priorities correctly, and to display limits and application correctly.
- Fixed an issue with a duplicate ID for sensor grid used in 8-point plot point selection dialog and newly added "All Sensors" tab.
- Fixed an issue with the missing DCS limits when sensors are selected for the 8-point plot that are from a different model than the one currently selected.
- Fixed problem with calculation of statistics on trends.
- Fixed an issue where the selected PdP Ref File was incorrectly loaded from Mongo.

FAMOS V27 improves the usability of PMAX, PdP, and Rules Engine, allowing users to detect performance problems and equipment degradation and greatly improve troubleshooting and diagnostics in resolving the issues. The FAMOS upgrade includes the V27 software and provides users with access to Curtiss-Wright's technical staff for FAMOS technical support. **One year of unlimited technical support is included with the V27 software upgrade.**

As we move ahead in making the FAMOS suite the industry benchmark for asset management technology, we encourage you to provide feedback to drive enhancements and innovations.

We look forward to working with you in the implementation of the FAMOS V27 upgrade and in demonstrating the value of the FAMOS technology. The business case is verifiable to improve performance and reliability while reducing operating and maintenance costs.

To upgrade to the latest FAMOS version or to receive more information, contact Josh Bartlett. Also visit our website at www.cw-connect.com.

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