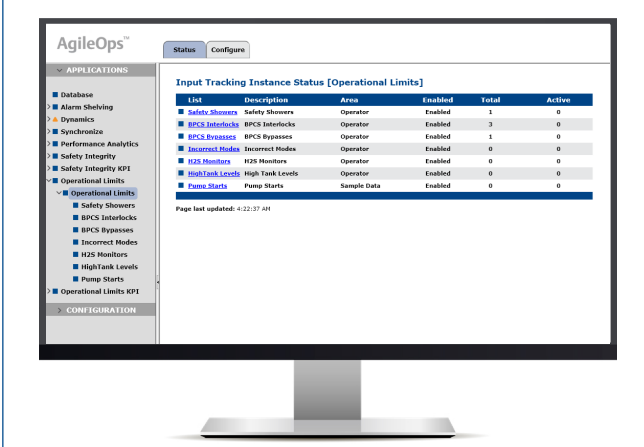# DeltaV™ AgileOps Operational Limits

- Monitor any digital input on your control system

- Easily track bypasses and interlocks

- Generate reports automatically

- Replace manual processes

- Compatible with multiple control system platforms

Cataloging list of Tracked Inputs.

Introduction

Monitor and track digital inputs in your control system with DeltaV™ AgileOps Operational Limits. AgileOps allows users to track digital inputs (by user defined names), automatically aggregate them (by user defined named lists) and generate metrics when those inputs enter a specific state. AgileOps monitors inputs, using real-time data, to determine if it is active, and then tracks the counts and duration of activation. AgileOps will then automatically aggregate that metric based on the list the input is in. The results can be viewed via AgileOps Performance Analytics. These reports include data on individual raw events, metrics on individual inputs of lists, and metrics of the overall status of the aggregated lists.

Since AgileOps is web-based, users can view the application and reports via web browser without the need to install additional software on every client machine.

AgileOps is compliant with ISA 18.2, EEMUA 191, IEC 62682, API RP1167, 49CFR192.631 and 49CFR195.446 standards.

Benefits

- **Access to Live Control System Data –** The input triggers are read directly from the control system so there is no need to data mine or create custom configuration (or review past historized data or events) to search for trigger events. In addition, any input that is available as real-time data can be tracked.

- **Control System Independent –** AgileOps is configured and used the same way for all control systems which simplifies training and implementation of tracking within a corporation with multiple control systems platforms.

- **Easy to Maintain –** Easily add or change the input triggers with manual or bulk import mechanisms. Simplified creation and use cases reduce user configuration in the web application and reports.

- **No Control System Changes Needed –** AgileOps can be configured without making changes to the control system configuration which reduces risk by not requiring module downloads. All reporting applications are external to the control system and are simply reading live data.

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- **Automatic Report Generation –** Reports are automatically generated with the names that the user configures, and no extra effort is required to view results with the user chosen names.

- **User Friendly Names for Reporting –** The names for lists and inputs are defined by the user, ensuring that meaningful information is presented to anyone that views the report.

- **Concurrently Monitor Software on Multiple Control Systems –** In addition to DeltaV, AgileOps is compatible with many control systems including Ovation™, OpenEnterprise™, Honeywell Experion® and TDC®, Siemens PCS7® and APACS, ABB 800xA, ABB Advant, DOW's MOD 5, Schneider Foxboro®, TIS/OMM, ClearSCADA/GeoSCADA, and Yokogawa Centum VP, thus delivering a complete solution for an entire site with one or multiple control system manufacturers. AgileOps also offers a generic connector for other systems not listed.
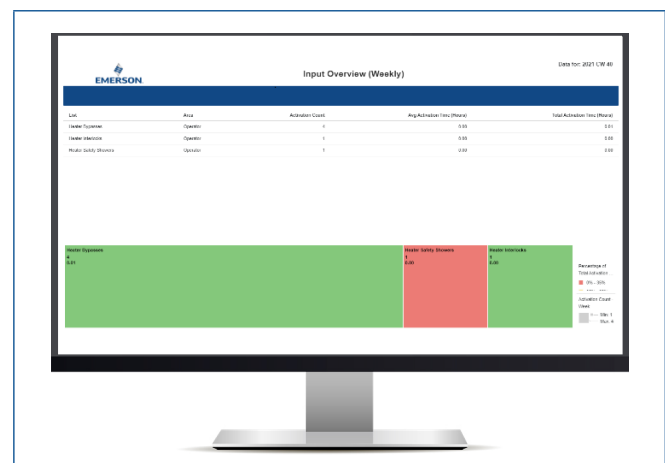
Product Description

AgileOps Operational Limits allows users to define lists of inputs to track. For example, define a list to track bypasses or interlocks on a heater as well as safety showers activated in that location. Any safety shower activation in the site could also be monitored as another aggregated list. The application will display a status of active counts for each list and if the list is enabled or not. If any result of an input is "active" then the overall list is also considered "active". The overall list and items in the list automatically save event time data to the database which will be presented in standard reports.

Users are able to view the full list of inputs for each list with the ability to add comments. Inputs can be added or edited to the list based on the configured security credentials and specified access of the user. Users can type in inputs using auto-complete to rapidly assist with the creation of the list. Inputs are categorized by Event Type including Bypass, Interlock, or general Input.

Reports

Reports are available in AgileOps Performance Analytics, which can be on the same server or run separately on a second server if reports need to be presented to users in another domain or network. Metrics can be analyzed by the weekly, monthly or on a yearly basis.

- The Overview report (shown below) displays the list names, counts, and duration of list item activations.

- The Components report is a drilldown into details for an individual list and the split of counts for each Bypass, Interlock or general Input activation.

- The Events Records report is a drilldown that shows all raw data collected by the list but also allows removal of events in the metrics if the user desires. (Any removal is tracked in the database and explanation is required in the removal process).

Security

AgileOps user access is based on Windows security and logins can be set up for seamless integration with the same username and password that users log into Windows with. This provides easy access to applications and reports for authorized users.

Any unauthorized users are blocked from access to the website.

Product Support

AgileOps Product Support is delivered through Guardian™. Guardian is Emerson's digital platform for addressing the end-to-end lifecycle needs of automation & control software and asset performance management solutions. The Guardian digital experience enables users to quickly connect to product support; securely manage subscriptions; get intuitive views into system health; and explore additional software and services that propel performance.

Requirements

- Hardware Requirements
  - 2.20 GHz 8 core processors
  - 64 GB Ram
  - 512 GB hard drive
- Software Requirements
  - Microsoft SQL Server 2016, 2019, or 2022 with Microsoft Server OS 2016, 2019 or 2022
- Web browser (Microsoft Edge or Chrome)
- Licensing for AgileOps Database
- Licensing for 1 AgileOps Performance Analytics User

Ordering Information

DeltaV AgileOps is licensed on a Flexible Subscription Unit (FSU) basis. An FSU is a currency that can be used to access any AgileOps feature licensed on an FSU basis, with each feature requiring its own number of FSUs. The FSU subscription is offered in one-year, three-year, and five-year terms. To purchase, extend, or expand a license, please contact your Emerson Sales Representative.

Related Products

- DeltaV
- DeltaV AgileOps Alarm Shelving
- DeltaV AgileOps Database
- DeltaV AgileOps Dynamics
- DeltaV AgileOps Operational Limits
- DeltaV AgileOps Performance Analytics
- DeltaV AgileOps Safety Integrity

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