SOLUTION SHEET

Octave Tempo Automation Integrity

Collect and contextualize OT/ICS configurations from the sensor to the cloud and automate change management

Key benefits

- Improves productivity by 20% to 50%
- Improves plant performance with fewer trips due to bad configurations
- Reduces sensor configuration drift and errors by more than 40%
- Reduces documentation effort by 70% or more
- Supports 140+ industrial automation systems
- Minimizes human error

Challenge

Operational Technology (OT) environments have become incredibly complex, with thousands of endpoints, hundreds of integrated applications, tens of thousands of sensors and more interoperability than ever before. This combination of greater complexity and continual change leaves facilities vulnerable to the effects of undocumented and unapproved changes to system configuration.

Solution

Octave Tempo Automation Integrity (formerly PAS Automation Integrity) is an enterprise application for automation asset management at industrial plants. It aggregates and contextualizes configuration databases, programs and user interfaces. It also simplifies the visualization and management of information in automation systems.

Tempo Automation Integrity minimizes manual effort and human error by identifying and eliminating configuration defects, preventing unexpected plant incidents and shutdowns. In today's competitive production environment, proper documentation and change tracking are essential for effective troubleshooting, faster problem resolution and incident avoidance. Tempo Automation Integrity improves plant safety and reduces operating risk:

- **Map automation systems:** Visualize complex configurations and interdependencies between disparate systems. Diagrammed mapping traces signal genealogy from field instrumentation to advanced process control.
- **Ensure sensor data integrity:** Discovers smart and analog sensors, create templates to define "good" configurations and automates the detection of errors.
- **Document configuration and track changes:** Automate uploads of evergreen configuration information from disparate systems. In addition, identify approved and unapproved configuration modifications.
- **Retain system knowledge:** Securely access configuration information, automation procedures, control logic, DCS parameters and other relevant information.
- **Automate work processes:** Create and implement automated work processes to make, track and propose changes, and provide automatic reconciliation with approved management of change (MOC) cases.
- **Inventory system utilization and available spare capacity:** Identify, reserve and manage spare capacity of points and I/O within the control system.

Benefits

Safety and security

- Identify unapproved configuration modifications before they cause problems
- Discover configuration defects that introduce production and safety risks

Profitability

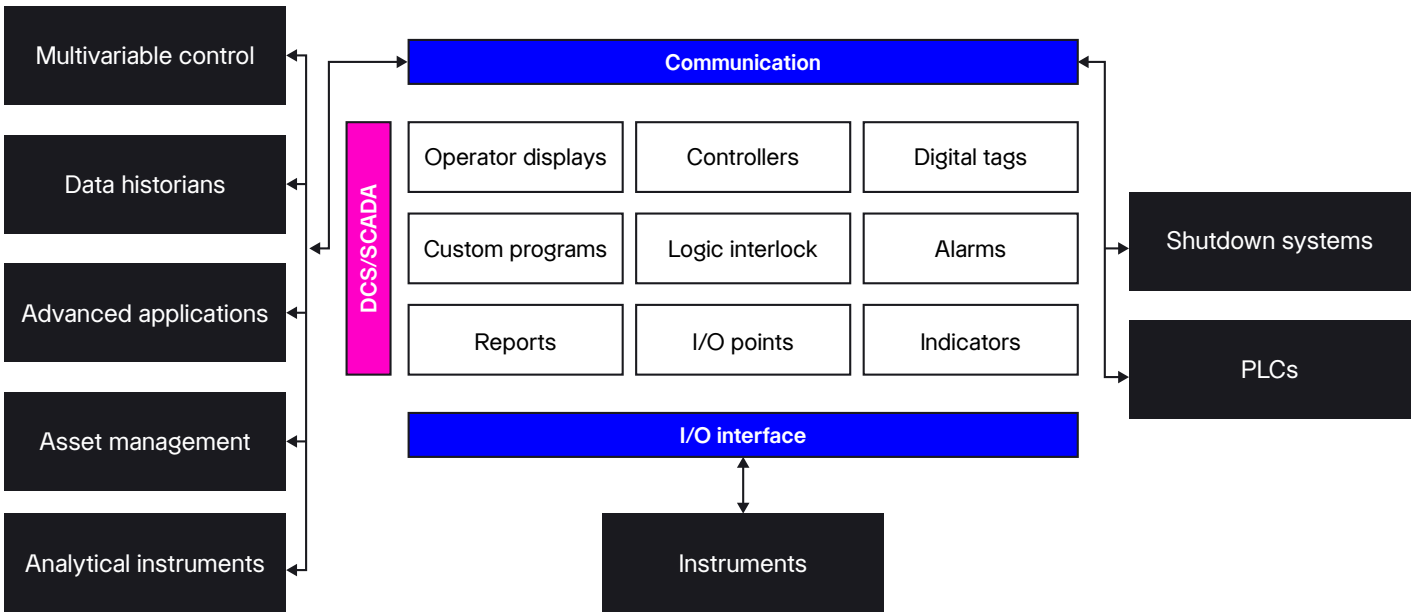
- Improve productivity of automation professionals by 20% to 50%
- Reduce sensor-related cost overruns before start-up (e.g., accelerated loop check out)
- Enhance decision-making with higher-quality sensor diagnostics

Compliance

- Eliminate environmental excursions caused by inadequate configuration management and management of change
- Facilitate Process Safety Management (PSM) requirements

Automation Systems Migration

- Reduce migration and systems integration projects time by up to 10%
- Improve quality through collaboration
- Create searchable electronic documentation automatically and reconcile configuration changes during projects



Asset models

Octave has an extensive list of 140+ different control systems to extract essential configuration information for viewing and analyzing in a common format. Tempo Automation Integrity provides scalability from base to higher-level functionality. It also facilitates capturing and contextualizing data from disparate systems into a common format.

Tempo Automation Integrity enables OT operators and ICS engineers with the critical automation data and insight needed to make their industrial operations safer, more reliable and resilient.

To learn more about Tempo Automation Integrity, please visit octave.com.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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