SOLUTION SHEET

10 compelling reasons to digitize your operator rounds



When our customers digitize their paper-based inspections with Octave Tempo Operator Rounds and Routine Duties (formerly j5 Operator Rounds and Routine Duties), they rightly expect to realize significant benefits by going digital.

This document highlights the 10 most significant benefits achieved at many of the Tempo Operator Rounds and Routine Duties customer sites worldwide.

1. Get the data to the people and applications that need it

Our users report that with their previous paper-based rounds, the data was rarely looked at, and key information was often left either on the clipboard or in a spreadsheet file. Once Tempo Operator Rounds and Routine Duties information is entered, it is routed to the field and other stakeholders. For example, the data and exceptions appear in the relevant Octave Tempo Shift Handover (formerly j5 Shift Handover) record, in the data historian, such as the Aveva™ PI System™ and maintenance work requests are routed automatically to the computerized maintenance management system (CMMS), such as SAP® Plant Maintenance (PM).

2. Avoid the tedious transcribing of data into a spreadsheet

Many companies insist that the data, once recorded on the paper clipboard, is then transcribed into a spreadsheet for use by others. This process of transcribing the data is both tedious and error-prone (and universally hated by operators). With Tempo Operator Rounds and Routine Duties, the data is entered only once at the point of entry and is easily shared with those who require visibility. Additionally, there are data validation checks at the point of entry, which will pick up any errors together with trend information and real-time data so the operator has better situation awareness.

3. Empower your site personnel to manage the system

Tempo Operator Rounds and Routine Duties can be managed and controlled by your staff without the need to call in expensive consultants. Initially, your staff fills in a spreadsheet listing the points that need to be measured and their out-of-specification limits. The spreadsheet is then uploaded, syncs with Tempo Operator Rounds and Routine Duties, and is ready. Your site staff can edit the spreadsheet anytime to restructure inspection rounds.

4. Activate work requests at the point of entry

Operators can create a work request directly in the field when they are in front of the asset. The user interface will prompt them for all the required data, and the work request notification will automatically be sent to the CMMS as soon as the operator returns to the connectivity. This improves the accuracy of the request, saves time and significantly reduces the time to repair the equipment.

5. Highlight exceptions so they can be enacted

With paper-based inspection rounds, anomalies and out-of-specification readings are often hidden in a mass of numbers. Tempo Operator Rounds and Routine Duties identify and highlight values outside safe operating limits. Tempo Operator Rounds and Routine Duties can prompt the operator for additional readings or photographs to be taken. They may require skilled technicians to categorize the out-of-specification numbers for further reporting and actions.

6. Provide comprehensive statistics in a dashboard

In addition to the raw data, Tempo Operator Rounds and Routine Duties generates important compliance information shown in dashboards, reports and views to any authorized user. Information related to the time of measurement, the GPS location of the operator, the time taken to complete the inspection round, trends of individual points and more are clearly shown so that the staff can initiate actions to be taken to improve performance.

7. Add value to your data historian

Data recorded in Tempo Operator Rounds and Routine Duties can be sent to a data historian, such as the Aveva PI System. There, it can be managed like any other PI tag. For example, manually collected data can appear as a trend against other information recorded in the data historian.

Additionally, Tempo Operator Rounds and Routine Duties can automatically compare field-measured data against the data historian. This quickly identifies bad instruments that would otherwise cause confusion and safety issues.

When connectivity is available, it is also possible to show the real-time data on Tempo Operator Rounds and Routine Duties as a check against the readings being taken.

8. Dynamically restructure the inspection rounds to increase efficiency

In any inspection round, some points must be read more often, and slower-moving points can be measured at a lower rate. Tempo Operator Rounds and Routine Duties dynamically changes the inspection rounds so that operators only measure the points when needed. This means more points can be measured simultaneously to gain a more comprehensive view of the process.

9. Provide comprehensive compliance data

For compliance, it is necessary to validate the data. Tempo Operator Rounds and Routine Duties will check the GPS location of the person taking the reading against the location of the measurement point. A discrepancy will be highlighted if there is one. Additional compliance data can be added to the point, such as whether the numbers were altered and why.

Optimize the operator user interface

It is essential for the field operator to get a clear and instructive mobile user interface. Tempo Operator Rounds and Routine Duties provides a host of features to assist the operator in carrying out this important function. These include meaningful prompts, trend lines, out-of-specification warnings, step-by-step procedures, color changers, engineering data and real-time and historical data.



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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