



10 COMPELLING REASONS TO DIGITIZE YOUR OPERATOR ROUNDS

When our customers digitize their paper-based inspections with j5 Operator Rounds, they rightly expect to realize significant benefits by going digital.

This document highlights the ten most significant benefits achieved at many of the j5 Operator Rounds customer sites across the world.

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 often key information was left either on the clipboard or in a spreadsheet file. j5 Operator Rounds information, once entered in the field, is routed to the many stakeholders that need it. For example, the data and exceptions appear in the relevant j5 Shift Handover record, in the Data Historian (such as the OSIsoft® PI System®) and maintenance work requests are routed automatically to the CMMS (such as SAP® PM).

2. AVOID THE TEDIOUS TRANSCRIBING OF DATA INTO A SPREADSHEET APPLICATION

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 j5 Operator Rounds, the data is entered only once at the point of entry and is easily shared to 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 situational awareness.

3. EMPOWER YOUR SITE PERSONNEL TO MANAGE THE SYSTEM

j5 Operator Rounds can be managed and controlled by your own staff without the need to call in expensive consultants. Initially, your staff fill in a spreadsheet listing the points that need to be measured as well as their out-of-specification limits. The spreadsheet is then uploaded and syncs with j5 Operator Round and is then ready to go. Your site staff can edit the spreadsheet at any time to restructure the inspection rounds.



4. INSPECTION ROUNDS 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 ACTIONED

With paper-based inspection rounds, anomalies and out-of-specification readings are often hidden in a mass of numbers. In contrast, j5 Operator Rounds clearly identify and highlight these values that are outside safe operating limits. j5 Operator Rounds can prompt the operator for additional readings or photographs to be taken and may also require your 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, j5 Operator Rounds generates important compliance information that is 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 j5 Operator Rounds can be sent to a Data Historian (such as the OSIsoft 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, j5 Operator Rounds can automatically compare field measured data against the Data Historian j5 Operator Rounds data. This quickly identifies bad instruments that would otherwise cause confusion and even safety issues. When connectivity is available, it is also possible to show the real-time data on j5 Operator Rounds as a sanity check against the readings being taken.

8. DYNAMICALLY RESTRUCTURE THE INSPECTION ROUNDS TO INCREASE EFFICIENCY

In any inspection round, there are points that need to be read more often and slower moving points that can be measured at a lower rate. j5 Operator Rounds dynamically changes the inspection rounds so that operators only measure the points when they need to. This means more points can be measured in the same time so as to gain a more comprehensive view of the process.

9. PROVIDE COMPREHENSIVE COMPLIANCE DATA

For compliance, it is necessary to validate the data. j5 Operator Rounds will check the GPS location of the person taking the reading against the location of the measurement point. If there is a discrepancy, it will highlight this. Additional compliance data, such as whether the numbers were altered and why, can be added to the point.

10. OPTIMIZE THE OPERATOR USER INTERFACE

It is most important for the field operator to get a clear and instructive mobile user interface. j5 Operator Rounds 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, real-time and historical data and more.

ABOUT HEXAGON

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.