BROCHURE

Octave Tempo Operator Rounds and Routine Duties

Isn’t it time to digitize
your field inspections?

The importance of operator rounds

The collection of field information at industrial sites is a key component of running an efficient and safe operation.

Often, the amount of data that is manually collected by operators can include thousands of points and represents a sizeable part of the information used in managing the process.

This makes manual operator rounds an essential data collection procedure that must be conducted efficiently and ideally linked to real-time data historians (like the AVEVA PI System®) and the CMMS (like IBM Maximo® and SAP PM).

The problems with paper operator rounds

Many industrial plants still rely on operators who move around the site with paper checklists and clipboards collecting information.

When the operator returns to the control room, the results are usually manually entered in a spreadsheet, database or disconnected application, wasting valuable time and creating unnecessary problems, such as:

- Difficulty getting the data to the people who need it to make decisions, such as maintenance, safety and operations personnel
- Abnormal alarm data that is hidden among the huge amount of normal data
- Inability to trigger work requests from SAP PM or IBM Maximo from abnormal readings
- Tedious and error-prone transferring of data into spreadsheets that are seldom looked at
- Lack of error-checking which leads to false data and bad decision making
- Inability to transfer information to the data historian to get a true picture of the real-time and measured data
- Lack of trending capability and as a result, dangerous anomalies are hidden
- Difficulties in finding the information that is needed for technical studie
- Lack of support for photographic and video recording
- Lack of procedural control to assist operators when they discover anomalies

"Every operator must take all measures necessary to prevent major accidents and limit their consequences for human health and the environment. Where reliance is placed on people as part of those necessary measures, human factors and human reliability should be addressed with the same rigor as technical and engineering measures."

Control of Major Accident Hazards (COMAH) Regulations General Duty
Health and Safety Executive (HSE)

Octave Tempo Operator Rounds and Routine Duties (formerly j5 Operator Rounds and Routine Duties)

Straightforward digitalization results in a quick time to value

This is digital transformation in its purest form

Digitally transforming your paper forms to the fully integrated Tempo Operator Rounds and Routine Duties is painless and straightforward. This means that all the benefits of going digital can be immediately achieved.

Operator rounds that exist in spreadsheets are easily imported and converted using the Octave Tempo Operations Management (formerly j5 Operations Management Solutions) IndustraForm Designer and scheduled for each operational area of the process. High, low and alarm levels, color changes, trends and suggestions are also imported via this spreadsheet-like configuration tool. The same spreadsheet-like management of the tasks in Tempo Operator Rounds and Routine Duties can be used to maintain and advance the process over time.

To further reduce any startup risk, our cloud-based proof of concept pilot enables a startup without the need to buy server hardware. Additionally, there is no need for a Wi-Fi connection in the field since Tempo Operator Rounds and Routine Duties functions with or without an internet connection in hazardous areas.

"We rely on Tempo Operations Management for logbook, handover, work instructions, standing orders, near misses and mobile inspection rounds. We would like to extend our use of Tempo Operations Management to other applications in the future."

Nobuyuki Takahashi
executive director,
Kainan Plant Manager
Wakayama Petroleum Refinery

Integrated operations

Once the data is recorded using Tempo Operator Rounds and Routine Duties, the information (including the historical data) is available in its intuitive form to everyone on the site.

This includes maintenance personnel, operations supervisors, technical personnel, engineers and safety personnel and managers.

Simple user interface

The Tempo Operations Management mobile interface is intuitive and easy to use. Rich contextual information such as trends, user prompts, error warnings and color changes guide the operator when entering the information.

Once the data has been entered, managers, supervisors, maintenance and technical personnel can view the information in various ways using Tempo Operations Management's dashboards, reports and views (including a Gantt timeline view).

Easy tailoring of the user interface and workflow to your requirements

The user interface and workflow can be easily changed to meet specific requirements using the spreadsheet-like Tempo Operations Management IndustraForm Designer, without users having to know any programming or complex configuration skills.

Intelligent (dynamic) measurement points allocation

Tempo Operator Rounds and Routine Duties can be designed to meet the required frequency of measurements of each individual reading (for example, it will not ask the operator to make a reading that would be of no use). This saves the operational staff significant time.

"Without Tempo Operations Management, we would still be using inefficient paper documents for our human procedures."

Josh Humphrey
chief information technology architect, AISIN North Carolina

Industrial architecture

The Tempo Operator Rounds and Routine Duties application runs on Android, iOS and Windows devices. There is also a selection of explosion-proof, intrinsically safe devices that are used in difficult and potentially dangerous environments.

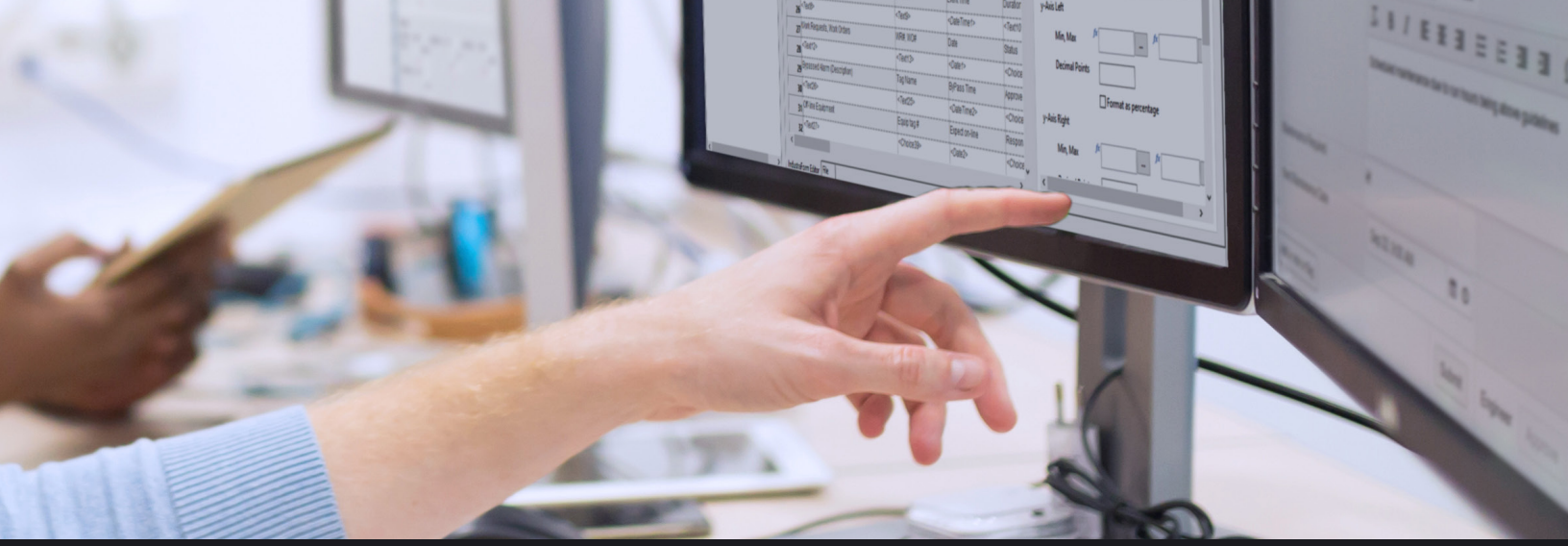
There is no need to have a Wi-Fi connection for Tempo Operator Rounds and Routine Duties to work. If a Wi-Fi connection is available, the data will sync to the control room as it is entered on the mobile device.

Tempo Operator Rounds and Routine Duties supports barcode and QR code identification of equipment and it records the GPS location for every reading.

Connected digital operations management platform

The data from Tempo Operator Rounds and Routine Duties can be easily interfaced with connectors for AVEVA™ PI System™, IBM Maximo and SAP PM, and integrated with Tempo Operations Management applications like Octave Tempo Shift Handover (formerly j5 Shift Handover), Octave Tempo Control of Work (formerly j5 Control of Work) and Octave Tempo Work Instructions (formerly j5 Work Instructions). Tempo Operator Rounds and Routine Duties can also add value to Octave InConcert Core (formerly HxGN SDx) and other complimentary Octave solutions.

This connected data removes silos and results in direct savings such as information accuracy, consistent procedures, speed of reaction to problems and the elimination of error-prone data entry.



“With Tempo Operations Management, I’ve finally found the solution I needed to take my business to the next level.

There’s no other company in my niche doing what we do, the way we do it, and a huge part of that is because of Tempo Operations Management.

Our goal is to implement as much of our daily activities as we can into this system. From our inspection records to manufacture alerts and bulletins, we see Tempo Operations Management as the ultimate solution for tracking our day to day activities.”

President and CEO
American oilfield service company

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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