



BROCHURE

Octave Tempo Operator Rounds and Routine Duties: Mining

Improving safety for mining operations



Digitalize your field inspections

Collecting field information is a critical process to running mining operations safely. 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.

Manual operator rounds 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). With Tempo Operator Rounds and Routine Duties (formerly j5 Operator Rounds and Routine Duties), digitally transforming your paper forms is simple and straightforward – bringing you the immediate safety and productivity benefits of digital data collection.



The challenges with paper operator rounds

Many mine owners still rely on operators who move around the mine 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. This costs valuable time and can create problems, including:

- Difficulty getting the data to decision-makers, including maintenance, safety and operations personnel
- Inability to transfer information to the data historian to get a true picture of real-time and measured data
- Abnormal alarm data that is hidden in vast amounts of data
- Lack of trending capabilities hiding dangerous anomalies from being identified
- Inability for abnormal data to trigger work requests from SAP PM or IBM Maximo
- Difficulties in finding information needed for technical studies
- Labor-intensive and error-prone transferring of data into spreadsheets
- Minimal photographic and video recording support
- Poor error checking procedures leading to compromised decision-making
- 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)

Tempo Operator Rounds and Routine Duties

Digitalize manual data collection across your mining operations

Save time, optimize efficiency and improve mine safety

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

Inspection rounds that exist in spreadsheets can be easily imported and converted using the Tempo Operations Management template designer and scheduled for each operational area of the process. High, low and alarm levels, color changes, trends and suggestions are configured using this spreadsheet-like configuration tool. The management of the tasks in Tempo Operator Rounds and Routine Duties can maintain and scale the process over time.

To further reduce any startup risk, our cloud-based proof of concept pilot enables an evaluation without the need for additional server hardware. Tempo Operator Rounds and Routine Duties functions with or without an internet connection, meaning there is no requirement for Wi-Fi connectivity in hazardous areas.

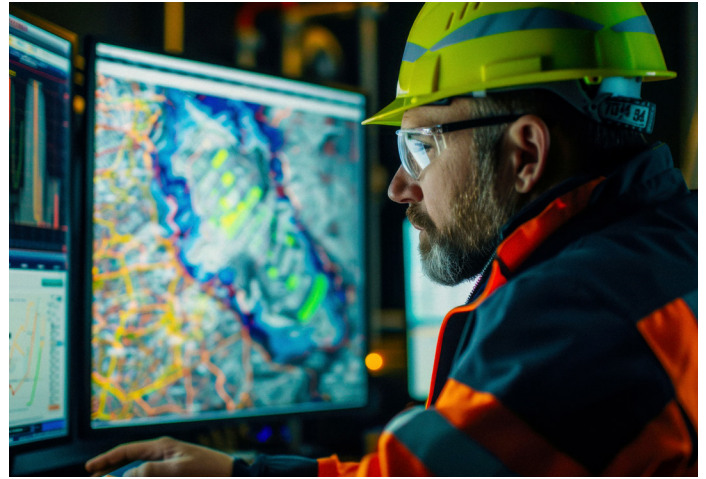
"We rely on Tempo Operations Management (formerly j5 Operations Management Solutions) for logbooks, shift handover, work instructions, standing orders, near misses and mobile inspection rounds. We would like to extend our use of Tempo Operations Management to other applications in the future."

Nobuyuki Takahashi

Executive director, Kainan plant manager, Wakayama Petroleum



Get the benefits of Tempo Operator Rounds and Routine Duties



Integrated operations

Once recorded using Tempo Operator Rounds and Routine Duties, the information, including historical data, is available in its intuitive form. This data is

accessible to everyone on-site, including maintenance personnel, operations supervisors, technical personnel, engineers, 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 guides 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 dashboards, reports and views (including a Gantt timeline view).

Easy configuration of user interface and workflows

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

"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 manufacturer alerts and bulletins, we see Tempo Operations Management as the ultimate solution for tracking our day-to-day activities."

President and CEO
Oil and gas company

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, operators are only prompted to collect readings when the data is required). This saves the operations 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, Inc.



Mobile-optimized industrial architecture

Tempo Operator Rounds and Routine Duties 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.

Tempo Operator Rounds and Routine Duties requires no Wi-Fi connection to operate. 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 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 third-party applications like the 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 complementary Octave solutions.

This connected data removes the barriers created by information silos and improves operational performance by:

- Eliminating data entry errors
- Standardizing procedures
- Ensuring information accuracy
- Improving response times

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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