



BROCHURE

Ensuring visibility into light vehicle pre-start inspections





The challenge

Even a small mining operation can have more than 100 vehicles in operation at any time. These vehicles often include dump trucks, haul trucks, excavators, dozers, graders, transport buses and light vehicles.

Operators typically record vehicle safety and performance information using paper-based checklists and carbon-copy forms. While these inspections are required to support safe equipment operation and regulatory compliance, paper-based processes often introduce challenges, including:

1. Limited visibility into whether procedures are being completed consistently
2. Significant manual effort to ensure compliance
3. Loss of production time because equipment issues are not identified early
4. Lack of transparency across all levels, from the field to the maintenance team
5. Time-consuming auditing for regulatory purposes
6. Physical storage requirements for paper records

Without timely access to reliable inspection data, tracking day-to-day vehicle performance becomes difficult. Valuable information is often trapped in paper records, making it harder to identify trends, implement corrective actions and improve equipment reliability.

The solution

Octave Tempo Operations Management

Octave Tempo Operations Management (formerly j5 Operations Management Solutions) is used across the mining industry to digitize light vehicle pre-start inspections, replacing paper-based checklists with connected, auditable workflows.

Using mobile devices, operators can complete inspections in the field and submit results immediately. Inspection data is shared with operations, maintenance and safety teams, providing greater visibility into vehicle condition and compliance across the mine.

Issues identified during inspections can be routed directly to the appropriate personnel for follow-up, enabling maintenance teams to address potential issues with equipment sooner and reduce the risk of unplanned downtime.

Tempo Operations Management helps improve communication, visibility and data collection across mining operations. The solution enables operations, maintenance and process safety teams to manage compliance activities consistently while creating a connected flow of information across the mine.

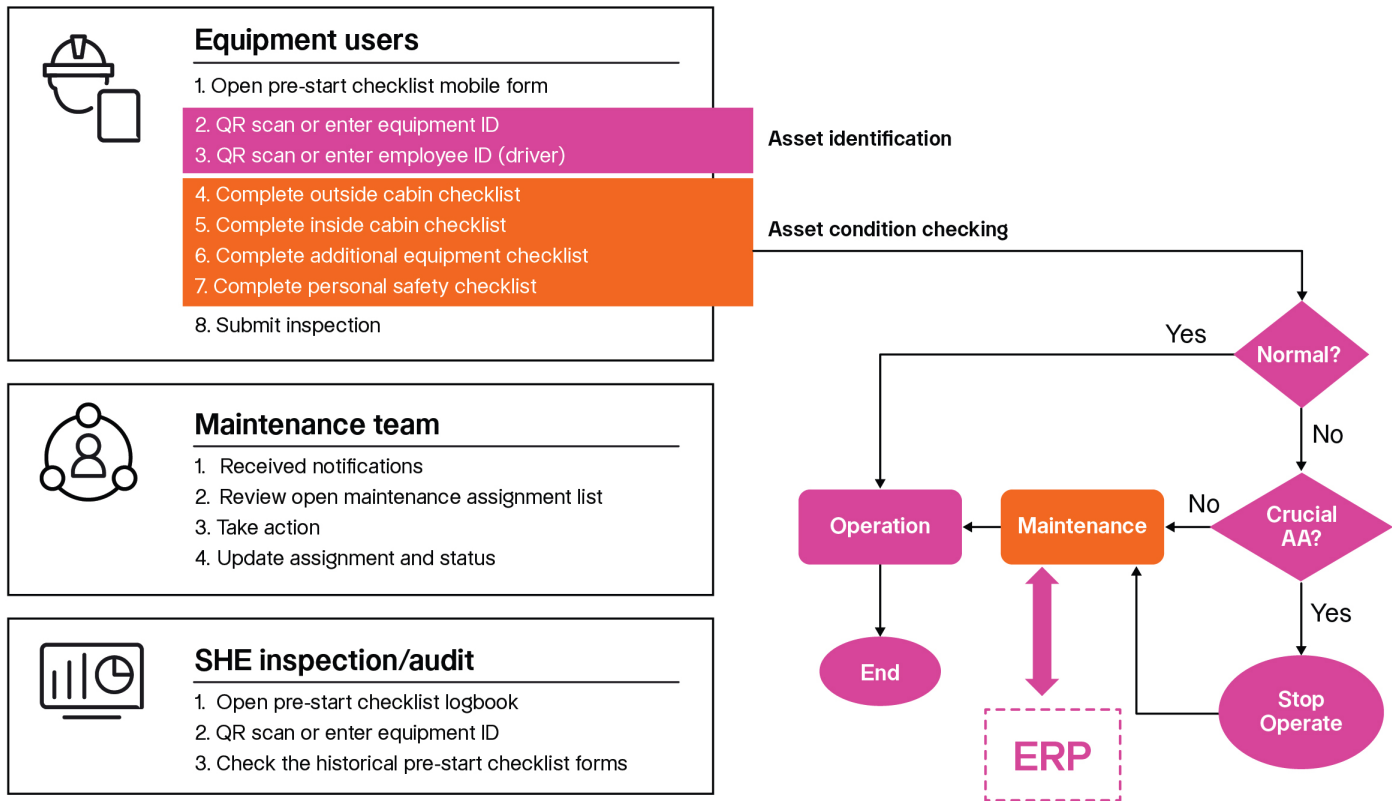


Tempo Operations Management can connect to external software such as the Aveva™ PI System™ to monitor real-time and historical data from equipment, sensors, instruments and the DCS and SCADA systems. This ensures relevant data recorded at a mining asset can be shared with the right people in real time when they need it.

Tempo Operations Management makes key shift information available to the entire operations team. This enables greater communication and direction within the group, which remain crucial in processes like management of change (MoC) and incident and near-miss management.

Senior managers can use Tempo Operations Management dashboards, reports and views to analyze mine performance, compare and contrast operational results and identify opportunities to optimize costs and efficiency.

Daily pre-start inspection workflow process



Flow description prior to operating the equipment:

- Fill in the pre-start checklist using a mobile device or digital form
- Identify any issues that need follow up
- Follow the procedure according to the inspection findings
- Record issues assigned to the responsible functions or unit

During vehicle inspection:

- Fill in the inspection checklist form using a mobile device or digital form
- Identify issues that need follow up
- Follow the procedure according to the inspection findings
- Record issues assigned to the responsible functions/unit

Benefits of digitalizing pre-start checklist procedure



With Tempo Operations Management, organizations can:

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| <p>01</p> <p>Eliminate paper records and physical storage requirements.</p> | <p>02</p> <p>Reduce operational risk with immediate access to vehicle inspection data.</p> | <p>03</p> <p>Improve equipment uptime by connecting field inspections with maintenance teams.</p> |
| <p>04</p> <p>Give safety teams real-time access to inspection information.</p> | <p>05</p> <p>Improve equipment performance with accurate, consistent inspection data.</p> | <p>06</p> <p>Strengthen operational performance and support regulatory compliance.</p> |

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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