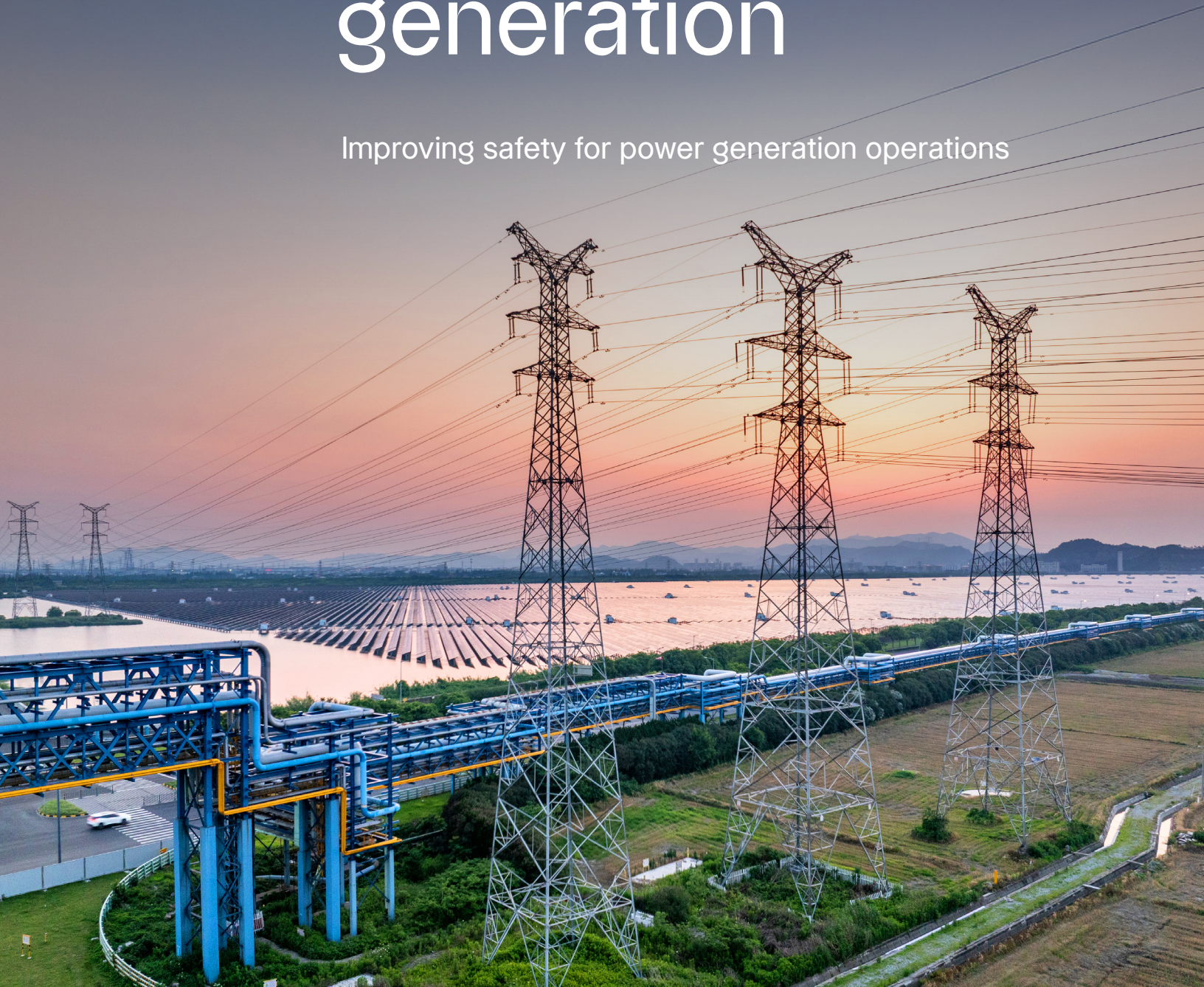




BROCHURE

Octave Tempo Operator Rounds and Routine Duties: Power generation

Improving safety for power generation operations





Digitalize your field inspections

Collecting site information is critical to the safe operation of power generation facilities. Operators often collect thousands of data points during routine rounds, capturing valuable operational information used to manage the process.

Manual operator rounds need to be conducted efficiently and connected to real-time data historians (such as the Aveva™ PI System™) and the computerized maintenance management system (CMMS), including IBM Maximo® and SAP® PM. Octave Tempo Operator Rounds and Routine Duties (formerly j5 Operator Rounds and Routine Duties) makes it simple to replace paper forms with digital workflows, delivering immediate improvements in safety, productivity and data quality.

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

"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."

The hidden cost of paper-based operator rounds

When operators collect data on paper, valuable time is lost before anyone can act on it.

By the time information is entered into spreadsheets or standalone applications, issues may already be escalating. Manual processes increase the risk of errors, inconsistent reporting and missed opportunities to improve performance. Common challenges include:

- Delayed access to data for maintenance, safety and operations teams
- Critical abnormal conditions or alarms that are harder to identify quickly
- Inability for abnormal data to trigger work requests from SAP PM or IBM Maximo
- Manual data entry that consumes time and introduces errors
- Inconsistent data quality that undermines confident decision making
- Inability to transfer information to the data historian to get real-time and measured data
- Lack of trending capabilities can hide issues from being identified
- Difficulties in finding information needed for technical studies
- Minimal support of photographic and video recording
- Lack of procedural control to assist operators when they discover anomalies



Tempo Operator Rounds and Routine Duties

Digitalize manual data collection across your power generation operations

Save time, optimize efficiency and improve safety

Moving from paper forms to Tempo Operator Rounds and Routine Duties solution is simple and straightforward. The fully integrated solution helps you realize the benefits of digital data collection quickly, improving operational efficiency while supporting safer, more consistent inspections.

Operator rounds can be imported directly from spreadsheets using Octave Tempo Operations Management (formerly j5 Operations Management Solutions) IndustriaForm designer. Forms can then be scheduled for each operational area, with alarm levels, color changes, trends and operator guidance imported through the same spreadsheet-like configuration tool. As your operations evolve, the same interface makes it easy to maintain and update tasks.

To reduce any startup risk, our cloud-based proof of concept allows you to get started without purchasing server hardware. Tempo Operator Rounds and Routine Duties also works with or without a Wi-Fi connection, allowing operators to continue inspections in hazardous areas without interruption.

Nobuyuki Takahashi
executive director,
Kainan plant
manager, Wakayama
Petroleum

"We rely on Tempo Operations Management 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."



Realize the benefits of Tempo Operator Rounds and Routine Duties



Integrated operations

Once the data is recorded, it becomes immediately available across your site (including historical data) to maintenance personnel, operations supervisors, technical personnel, engineers and safety teams.



Simple user interface

The Tempo Operations Management mobile interface is intuitive and easy-to-use. Operators receive rich contextual information such as trends, user prompts, error warnings and color changes, helping them capture accurate information in the field.

After data is entered, managers, supervisors, maintenance and technical teams can view the information through Tempo Operations Management dashboards, reports and views, including a Gantt timeline view.



Easy tailoring

The user interface and workflows can be tailored to meet specific requirements using the spreadsheet-style Tempo Operations Management IndustraForm designer, without programming or complex configuration skills.



Intelligent dynamic measurement points allocation

Tempo Operator Rounds and Routine Duties schedules measurements based on the required frequency for each reading, eliminating unnecessary readings and helping operators focus on measurements that matter most. The result is less time spent collecting redundant data and more efficient operations.



Mobile-optimized industrial architecture

Tempo Operator Rounds and Routine Duties runs on Android, iOS and Windows devices. There is also a selection of intrinsically safe, explosion-proof hardware designed for hazardous environments.

The application works with or without Wi-Fi connection. When connectivity 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.

Josh Humphrey
chief information
technology architect,
AISIN North Carolina

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



Connected digital operations management platform

The data from Tempo Operator Rounds and Routine Duties integrates with AVEVA™ PI system™, IBM Maximo® and SAP PM, as well as Tempo applications, such as Octave Tempo Shift Handover (formerly j5 Shift Handover) and Octave Tempo Work Instructions (formerly j5 Work Instructions). It can also add value to InConcert Core (formerly HxGN SDx) and other complementary Octave solutions.

By connecting data across systems, the solution removes information silos, improves data accuracy, standardizes procedures and accelerates the response when issues arise.

President and CEO
US oil and gas
company

"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."

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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