



BROCHURE

# Octave Tempo Control of Work: Mining

Is your mining operation still using paper, spreadsheets or word processor documents to manage and record safety-critical control of work information?



# Industry challenge

According to the Health and Safety Executive (HSE)<sup>1</sup>, when using permit-to-work systems to safely control work, major hazards could arise from the following:

- **Wrong type of work permit used**
- **Wrong information about work required in the work permit**
- **Failure to recognize the hazards where work is carried out -**  
i.e., flammable substances
- **Introduction of an ignition source in the controlled flameproof area**  
i.e., welding, non-spark-proof tools or non-intrinsically safe equipment used in intrinsically safe zones
- **Terms of work not adhered to -**  
i.e., failure to isolate mine areas and drain lines of hazardous substances
- **Failure to hand over the mine in safe condition on completion of work/canceling of work permit**
- **Unauthorized staff performing work permit functions**
- **Poor management of the work permit system**
- **Insufficient monitoring of the work permit system**

<sup>1</sup>HSE is a U.K. government agency responsible for the encouragement, regulation and enforcement of workplace health, safety and welfare and for research into occupational risks.

# Octave Tempo Control of Work

*(formerly j5 Control of Work)*

## Solution

The digital Tempo Control of Work solution has been developed to reduce operational risk and help ensure that:

- **Right type of work permit is used**  
Using strict approvals and workflows
- **Right information about the required work is on the permit**  
Using required data fields, clear digital entries and collating key information from relevant information sources
- **Hazards are recognized where work is carried out**  
Comprehensive advice and information are accessible on a mobile device at each workflow step
- **Introduction of mobile devices to manage and record Control of Work procedures does not increase the risk of an ignition source in a controlled flameproof area**  
Octave Tempo Operations Management (formerly j5 Operations Management Solutions) mobile user interface can be used on intrinsically safe mobile devices
- **Terms of work permit are adhered to**  
Using strict approvals and workflows
- **Plant is handed over in safe condition on completion of work/canceling of work permit**  
Each step of every procedure recorded using Tempo Control of Work is transparent and Octave Tempo Shift Handover (formerly j5 Shift Handover) can be used to communicate the status of all open, closed and canceled permits between the outgoing and incoming shift workers and contractors
- **Staff performing work permit functions are authorized**  
Enforces a process of worker identification and required signatures before and after each work function
- **Work permit system is managed effectively**  
Provides quick information access to the relevant personnel and allows for consistent procedures that can be configured by authorized personnel as requirements change
- **Effective monitoring of the work permit system**  
Tempo Operations Management dashboards, reports and views enable effective monitoring and assists in managing and scheduling permits enterprise wide

## Get the benefits of Tempo Control of Work

Reduce operational risk, digitalize operations and meet compliance



### Introduce enterprise scalability to your operation

Tempo Control of Work is powered by patented Tempo Operations Management IndustraForm Templates, which allows companies to transform paper, spreadsheets, word processor documents and scattered databases into enterprise-level applications quickly and with minimal disruption to operations.



### Patented spreadsheet-like configurability

While Tempo Control of Work is an enterprise wide digital platform, the Tempo Operations Management IndustraForm® Designer allows personnel to configure Tempo Control of Work in a familiar, patented spreadsheet-like environment. This makes configuration easy and accessible to those who don't have programming skills while also reducing expensive vendor change requests and reliance significantly, which lowers the cost of ownership.



### Compatible with mobile devices

This configuration extends to mobile devices, where Tempo Operations Management IndustraForm Templates can also be used extensively, meaning companies can develop mobile applications internally with minimal effort. This is significant with Tempo Control of Work because it is important – according to the Health and Safety Executive (HSE) – to recognize hazards when and where work is carried out.



### Tried and trusted for peace of mind

Tempo Control of Work is not an underdeveloped add-on; it is part of a solid digital platform solution designed to continually improve with minimal disruption and to futureproof your control of work processes. Tempo Operations Management is a consistent, upgradable digital platform with modular site configuration to allow for relatively effortless upgrades.



### Increased efficiency and time savings

As all Tempo Operations Management elements exist on the same desktop and mobile framework, upgrading multiple Tempo Operations Management IndustraForm Templates is stable and hassle-free. This simple upgrade process also saves time and financial costs, allowing customers to allocate more resources toward the safe operation of their plants.

## Configuration benefits of Tempo Control of Work

- ✓ Extremely easy to add new fields with multiple configuration options
- ✓ Start with templated, fully configurable workflows, or design your own workflows from scratch (these templated intuitive workflows have configurable approvals, gates, notifications and states)
- ✓ Ability to test layouts in the Tempo Operations Management IndraForm Designer and publish in real-time with no disruption to application or data, reducing the cost of testing for configuration changes
- ✓ Simple to change the layout of Tempo Control of Work modules on desktop and mobile
- ✓ User roles and permissions can be strict or flexible, whatever is required for each scenario
- ✓ Dynamic user experience designed to promote ease of adoption, for example text or background colors that change depending on field values
- ✓ Multiple visualization options, such as calendar views, dashboards, Gantt charts and plot plans
- ✓ Enterprisewide digital platform with patented spreadsheet-like configuration
- ✓ Seamless links to external data sources and other industrial applications like data historians and the computerized maintenance management system (CMMS)
- ✓ Seamless integration between Tempo Control of Work modules and other Tempo Operations Management elements that enable users to provide a comprehensive end-to-end solution landscape
- ✓ Interact with 3D models, laser scans and P&ID diagrams (requires Tempo Operations Management Connector for Octave InConcert Core (formerly HxGN SDx))
- ✓ Integrates with other Octave products such as InConcert and Facets P&ID Design Validation (formerly Intergraph Smart P&ID Design Validation).

## Easy to upgrade without disruption

- ✓ Robust version control
- ✓ Upgrade without shutdown (and plant disruptions)
- ✓ Hassle-free roll-back and roll-forward capabilities
- ✓ New versions of Tempo Control of Work modules and other Tempo Operations Management IndraForm Templates can be fully tested before going live

*“Tempo Operations Management offers the advantage of having a proven industrial solution whilst having the option to provide any complementary module that you would need for a specific requirement.”*

**Laurent Hardy**

Operations manager, European Synchrotron Radiation Foundation (ESRF)

**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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