





## Operational Intelligence

In today's competitive market place organisations need access to the operational intelligence that is locked away within their business, Opralog provides the key.

Increasing competitive pressures require organisations to maximise capacity utilisation and productivity and to optimise operational performance and ensure compliance with environmental, safety and corporate responsibilities. This means access and communication of operational intelligence is imperative.

A consistent view of operations and the ability to share and derive benefit from experience and knowledge enables the organisation to act pro-actively and make the right decisions when Opralog is employed.

Opralog provides the functionality to capture operational intelligence and makes the data accessible across the organisation to a wide variety of users. It replaces the myriad of paper logs, spreadsheets and disparate databases and integrates information from many different sources in one location.

Opralog enhances the ability of operational logs to act as a source of management information and records key site status information on safety, environment, commercial, plant and other issues to support shift handover and production meetings.

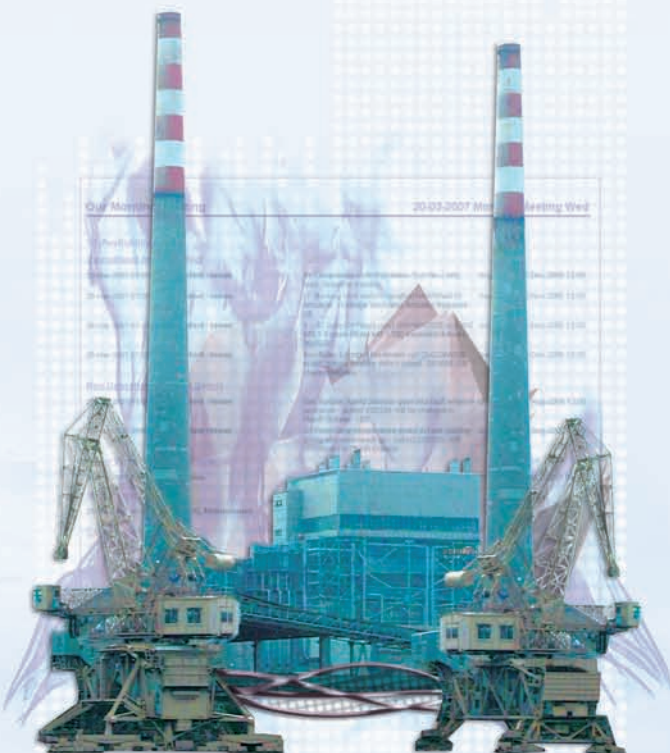
The tool has a quick and intuitive method to input data which ensures that time spent writing logs and capturing operational information is minimised. The ability to leverage data already held in Asset Management and Plant Information systems such as OSIsoft PI, MRO Maximo and SAP means that capture of plant events can also be obtained automatically via standard interfaces.

Greater knowledge of prevailing plant status and significant events allow speedier and more informed interpretations of the "hard" performance data obtained through the DCS / OSIsoft PI system etc.

Whilst providing a mechanism for improved consistency of logs and reports in terms of format, structure and content, Opralog also allows complete flexibility enabling the user to define their own terminology, templates and information flow.

Information may be required both on a daily basis - to understand the current plant condition or issues and also historically - to search for historical events and build up evidence of trends. Shift log information is recognised as being an important source of contextual management information which Opralog can share across the organisation.

Operational events become more visible and are quickly communicated and reported so that actions can be taken.



# Opralog Features

## Operational Logging

- Each area can have individually tailored logs
- Each event can have an individual template defining any additional information that supports the event
- Each event can have a pre-defined template that guides the user through logging the event
- Any event is logged with a few mouse clicks – the only typing required is the value added operator information
- Current Shift Log available with single click
- Single click navigation between Shift Logs
- Easy duplication of events
- Any external file can be added to a log entry as an attachment
- Attachments can be defined as part of an event template – any time the event is logged, the attachments are automatically created

## Operational Scheduling

- Schedule log entries on a pre-defined periodicity e.g. every 2 days, every week, 2nd day of every 3 months
- Schedule log entries on a shift basis e.g. morning shift every Tuesday, afternoon shift on first Monday of every month

## Task Management

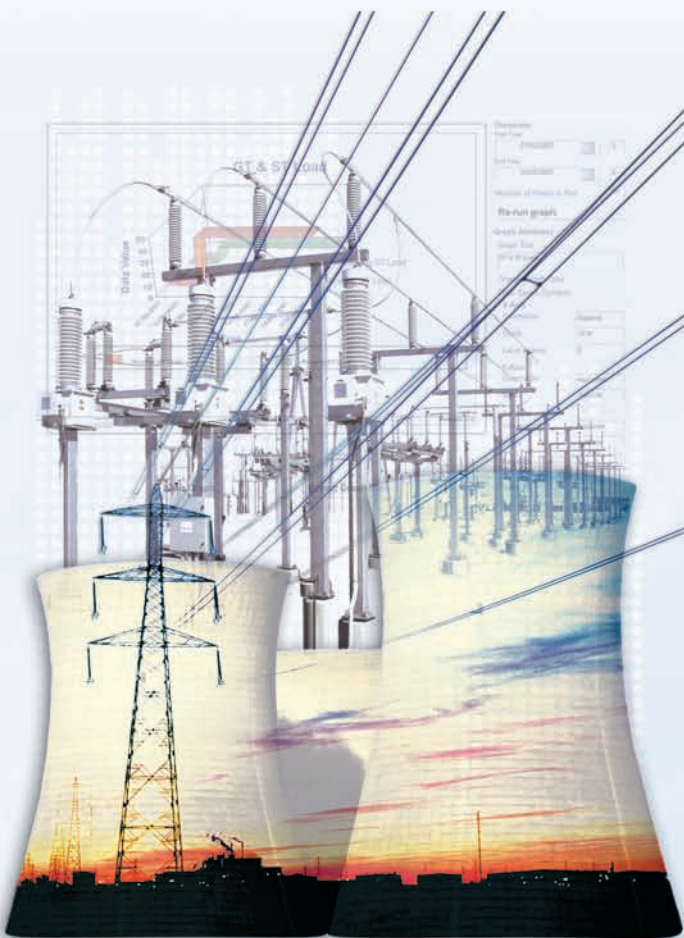
- Create task log entries with Due Date, Completion Date, Priority and Status
- Assign tasks to individuals
- 'My Tasks' screen gives an overview of owners tasks
- Warning if a user has overdue tasks on log in
- Analyse and filter user task lists by assignee, priority, status, due and completion dates

## Information Sharing

- Define an entry to be shared with other logs when it is logged – user creates entry as usual with a few clicks and the entry is automatically shared
- Manually share log entries with a second log with a single click
- Copy entries between logs – creating separate but linked entries in multiple logs

## Shift Management

- View current shift
- View any number of shifts in a single view
- View a complete log of all shifts in a single view
- Enable shift logs to be locked and signed off
- Option to automatically create new shift logs on a pre-defined shift pattern
- Record the shift team members/roles for each shift
- Carry forward log entries between shifts – can be done automatically or defined ad-hoc by users



## Calculation Module

- Create calculated values derived from other log entries – either from the current log or any other log in the system
- Allows conditional expressions to create powerful and flexible calculations

## Enterprise-Wide Security Model

- Allows individual domains to be set up across an organisation – enabling administration to be devolved to individual areas across the business
- Access to logs can be configured down to each individual user
- Access to all major log functions are individually controlled e.g. read and write access, scheduling entries, creating new shift logs, locking and signoff of shift logs, configuring log structures and templates

## Reporting

- Report on current entry or selection of entries with a single click
- Report on current shift with single click
- Create customised reports using powerful report generator
- Save report templates for future use
- Schedule report to be generated on a pre-defined time basis
- Save any report as a PDF file
- Graph any log data value with single click
- Create graphs with multiple log values

## Auditing

- Comprehensive audit trail records every action and change carried out on each log entry
- Audit trail can be analysed for specific entries, logs, users and time periods
- Comprehensive audit trail of all changes to user privileges and access

## Standard Interfaces

- Standard interface allowing integration with external business systems such as OSIsoft PI, MRO Maximo, SAP
- Open interface allows any external system to trigger log entries in Opralog

## Configuration Wizards

- Every aspect of configuration is carried out by the user community – no need to enlist IT department or Infotechnics to modify log structures
- Powerful wizards allows event templates to be configured



## The Opralog Philosophy

In any operation there is a diverse range of information that must be captured.

The Opralog philosophy is built around simplicity, flexibility and ease of use. This encourages the creation of quality logs that become an important asset for the organisation.

- **Logging information must be simple:** any logging system is an imposition on operational personnel. Opralog ensures the act of capturing activities does not intrude on the running of the operation and acts as a positive driver in encouraging quality logs.
- **One version of the truth:** single entry of information, whether originating from people or plant, ensures efficient, accurate recording of events.
- **The what and the why:** logging what happened is important; recording why it occurred is essential.
- **Information is highly visible:** important information becomes visible across teams, departments and shift changeovers. Issues are easily escalated through the management chain.
- **Learn from past experiences:** fast, easy access to historic information facilitates continuous learning. This turns historic information into shared experiences that helps retain and manage organisational knowledge.

This focus on simplicity of use, visibility of information and continuous learning through easy analysis of past experiences sets Opralog apart and will give your operation the edge over the competition.

## Operational Benefits

Opralog is an enterprise reporting tool designed to replace multiple disparate systems with a single data repository, allowing you to:

- Increase and highlight the visibility of important information across shift handovers
- Improve decision making - more proactive decisions based on improved communication and information sharing
- Save time capturing data and ensure the value-added information is recorded
- Monitor and manage process upsets and track remedial actions
- Improve plant reliability and reduce downtime
- Enhance communications and information flow across the organisation
- Foster a culture of openness and visibility. Individuals have access to information without having to request it from someone else.
- Improve regulatory compliance
- Improve health & safety and corporate governance practices
- Provide a consistent overview of plant status to everyone in the organisation at all times
- Increase business responsiveness with safer and more efficient operations



## About Infotechnics

Infotechnics mission is to apply innovative business technology solutions, rapidly and cost effectively, for sustainable benefit and ROI for all our customers. We specialise in providing tools to manage operational data; delivering real time business intelligence. From operational logging through to environmental reporting, we work with the latest technologies from companies such as Microsoft, OSIsoft and Oracle. We give our customers the knowledge to make proactive decisions to achieve operational excellence and meet the challenges of today's competitive marketplace.

We are focused on operational intelligence solutions, carefully designed to help our clients unlock the power held within their critical business data - giving them the ability to analyse, understand and act more quickly and more effectively than the competition.

Our core markets include oil and gas, power and petrochemicals. Today Opralog is installed in over 50 major locations worldwide and continues to set the standards for operational reporting. Talk to us today to find out how we can help unlock the intelligence within your organisation.

*"Opralog was deployed throughout our UK fleet of power stations to perform event logging, record plant status and support shift handover and daily cross-site communications. It enables us to use shift log information as a reliable and visible management information source in order to make quicker and better decisions. This has a positive impact on efficiency, plant safety and regulatory compliance. Opralog reduces control room workload whilst improving the quality of information captured."*

Jean Ord, Project Manager, E.ON UK plc

*"Ineos Manufacturing Scotland Ltd has used Opralog for over three years to provide handover reports at shift changeover across its manufacturing site at Grangemouth, Central Scotland. Opralog helps ensure that important operational information is visible and can be acted on quickly."*

*"This large site is operated from some eleven different control centres and Opralog supports factory shift management and facilitates the shift changeover process as well as catering for the dissemination of daily production targets from the planning teams."*

Chris Hall, Senior Control Engineer,  
Ineos Manufacturing Scotland Ltd

*"Opralog was deployed to Origin Energy's Darling Downs power station in 2010 and has already brought significant improvements to the sharing and management of plant information. Opralog has helped improve operational efficiency at the site and its highly configurable reporting capabilities allow better use of time and the creation of more informed reports. There are many systems in place for recording and analysing operational data throughout the site and the ability for Opralog to leverage data from these existing systems is a major benefit."*

Lynden Bow, IT Systems Manager for Generation  
Origin Energy, Australia

# infotechnics

### Infotechnics Limited

Davidson House  
Aberdeen Science & Technology Park (Campus 1)  
Aberdeen  
AB22 8GT  
United Kingdom

UK Tel: +44 1224 355 260

USA Tel: +1 646 397 5989

Email: [sales@infotechnics.co.uk](mailto:sales@infotechnics.co.uk)

Web: [www.infotechnics.co.uk](http://www.infotechnics.co.uk)