



AVEVA™

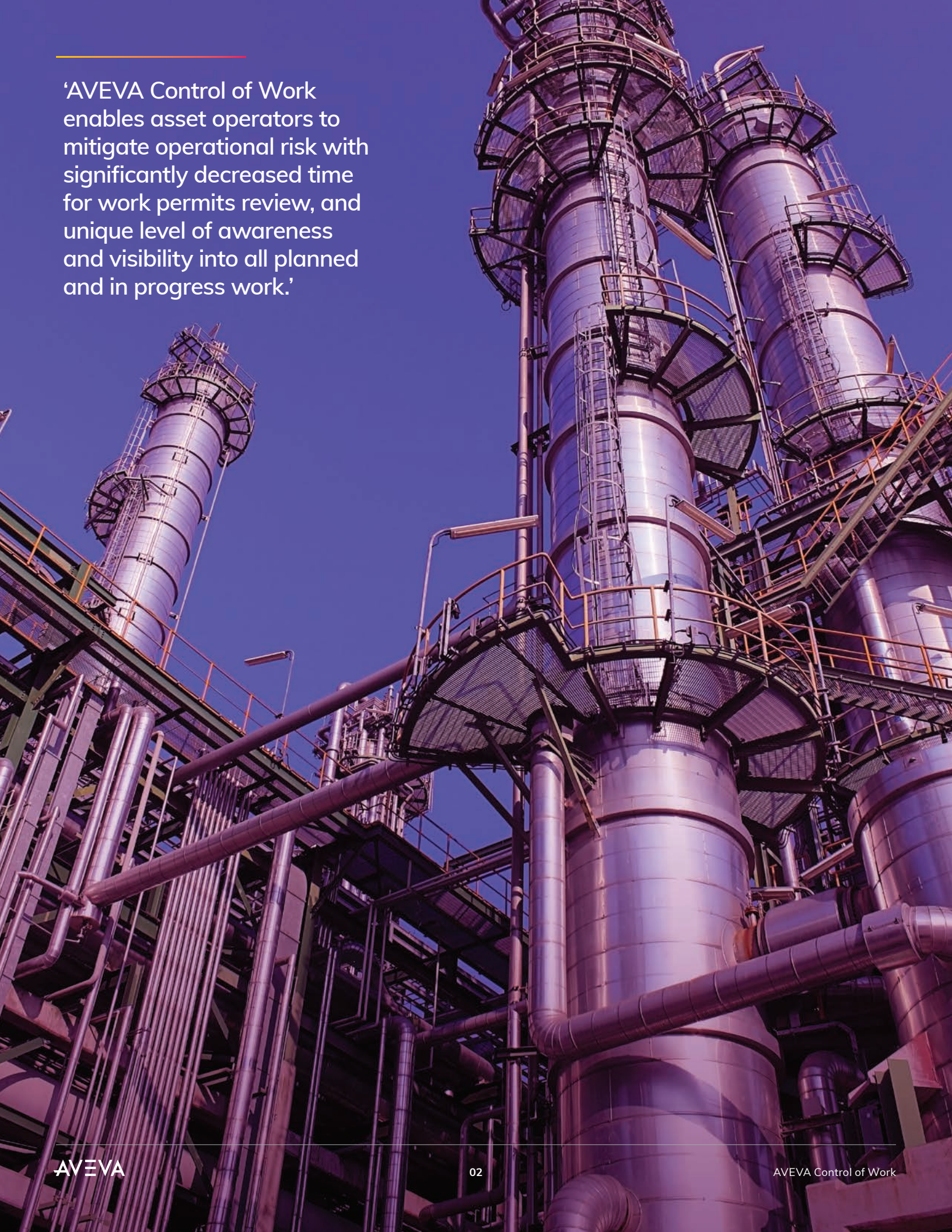
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# AVEVA™ Control of Work

Plan and perform safe, compliant work on complex engineering assets. AVEVA Control of Work enables asset operators to mitigate operational risk with increased productivity, and exceptional visibility of tasks.

'AVEVA Control of Work enables asset operators to mitigate operational risk with significantly decreased time for work permits review, and unique level of awareness and visibility into all planned and in progress work.'





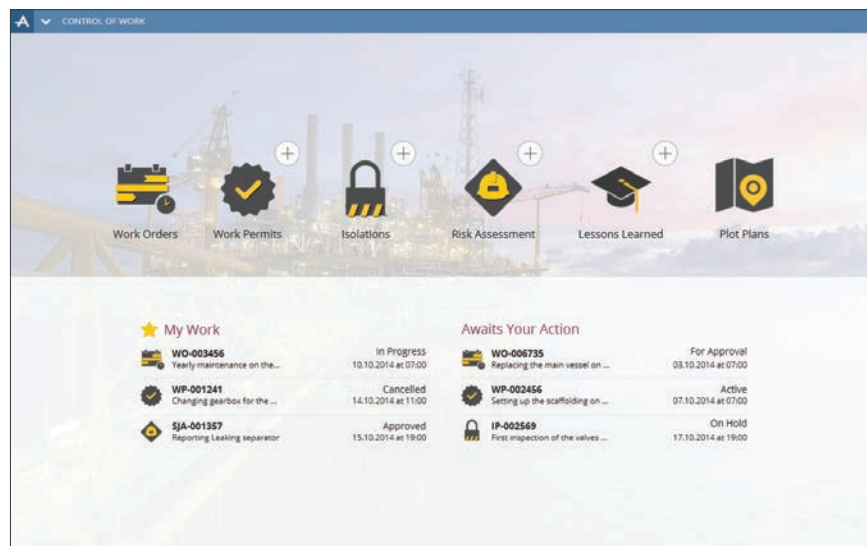
## Introduction

The more complex and potentially hazardous a plant, the more important it is that every inspection, maintenance and repair task is carried out correctly, consistently, in full knowledge of the relevant information and in accordance with industry regulations and best practices.

AVEVA Control of Work is a comprehensive, powerful and industry-proven solution that supports this. It enables asset operators to eliminate, minimize or mitigate operational risks with a unique level of awareness and visibility into work that is planned and in progress work on a facility.

AVEVA Control of Work provides 2D visualization in plan/elevation cross sectional views to aid the planning and scheduling of different permit tasks, significantly decreasing time spent on work permit reviews and approval process.

It also provides the ability to collaborate and integrate with 3D decision support tools for optimized asset performance, use of valuable resources and return on investment.



Assess and act on every risk with a configurable rule-driven framework



## Overview

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Proven over decades of use in the demanding North Sea oil & gas industry, AVEVA's modular Control of Work solution provides advanced capabilities in the six essential aspects of asset management:

### **Risk Assessment**

A configurable, rule-driven framework guides the user in assessing every relevant risk and making the appropriate decisions.

### **Work Permit Management**

A configurable, rule-driven framework manages the entire existence of each Work Permit, from its creation to closure and archiving.

### **Work Activity Plotting**

Unique, best-in-class visualization features show the various work locations on the asset, enabling task clashes to be avoided and highlighting opportunities for coordinating tasks in close physical proximity.

### **Isolation Planning and Execution**

Both mechanical and electrical isolations can be applied consistently, quickly and in compliance with applicable regulations and best practice. Mechanical isolation plans can be efficiently created by direct visual interaction with intelligent or legacy P&IDs.

### **Safe Job Analysis**

Structured, template-based identification of risks, causes and effects is complemented by controlled documentation of safety meetings and management of the approval process.

### **Lessons Learned Reporting**

Continual improvement of operational processes to drive down risk and increase efficiency is supported by tools for capturing lessons learned on individual tasks and identifying common factors in their execution.

AVEVA Control of Work is fully enterprise-ready out of the box. It is easy to install and configure, cloud-ready and supports touch-screen devices. It integrates efficiently with other business systems, including AVEVA™ Enterprise Asset Management (EAM) solution; and third party systems such as SAP and Maximo.

Integration with our AVEVA™ NET solution enables AVEVA Control of Work to use and contribute information for enterprise-wide optimization of asset performance.



## Business Benefits

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AVEVA Control of Work reduces operational risks, lowers costs, increases productivity and improves control.

### Reduced risk

- Consistent, compliant, best-practice execution of invasive tasks eliminates, minimizes or mitigates risks to personnel, to the asset, and to the environment.
- Enforced use of validated procedures minimizes the risks associated with shutdown and restart.
- Verification of sustained regulatory compliance avoids the risk of fines or loss of operating license.

### Reduced operating costs

- Efficient deployment and use of valuable skilled resources saves direct labor costs.
- Efficient, rapid execution of engineering tasks minimizes loss of production.
- Robust control and audit trails reduce the costs of demonstrating regulatory compliance.

### Increased standardization

- Efficient, compliant, best-practice operation can be standardized easily across multiple assets.
- Staff may be redeployed between assets with minimal learning curve.

### Enhanced awareness and visibility

- Real time visibility and awareness of who is doing which tasks at any given moment.
- Overview of all planned and in progress work on a facility.

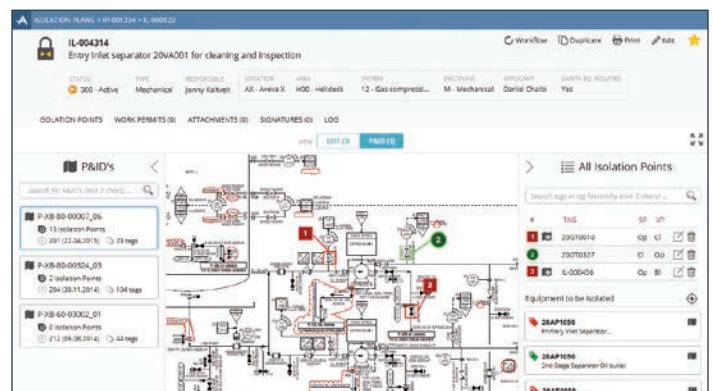
### Improved productivity

- Improved day to day efficiency and job planning.
- Smarter and more efficient work.



## Key Features

- A complete Control of Work solution out of the box, rapidly deployable in any plant industry.
- A proven track record in the most demanding applications.
- Easy configuration to the specific needs of the enterprise and its individual assets.
- Template and rule-driven to eliminate sources of error. A range of built-in industry-standard forms, templates and workflows can be used as-is, or readily reconfigured by the user to meet specific company, industry or regional standards.
- Intuitive, clear and stylish web-based user interface, requiring minimal training. For ease of acceptance into users' toolsets, the login screen may be readily configured with a suitable company-specific background image.
- Extensive language capabilities are included as standard. A translation tool is provided for easy configuration to a user's preferred language.
- Built-in visualization puts information in context for clearer understanding of complex activities and their interdependencies.
- When used with our AVEVA NET™ can contribute information that can be visualized in 3D, for improved decision making.
- Exploits the information in intelligent P&IDs to generate correct isolation plans.
- Isolation planning supports legacy P&IDs in TIFF and PDF formats.
- Supports tablet devices to put the tools in the right hands, at the right place, at the right time.
- Enforces consistent, compliant working methods, verified by digital signatures, audit trails and configurable reporting tools.
- Seamless integration with external Admission Control Solutions, enabling secure management of remote admission to ICT systems utilizing Work Permits.
- Integration with AVEVA and third-party EAM/CMMS solutions, to maximize return on investment.
- A scalable solution that can form part of an enterprise-wide Information Management solution for maximum business value.



Create isolation plans by direct visual interaction with intelligent P&IDs



## Why choose AVEVA Control of Work

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AVEVA Control of Work offers several unique and valuable advantages not found in competitive solutions.

### **Ease and speed of deployment**

It is an out of the box solution requiring only configuration to a customer's specific needs. The predefined templates, forms and workflows, which have been refined over decades of use, will usually meet the needs of the enterprise with no, or very little, reconfiguration. Only very rarely would bespoke customization be necessary.

### **Ease of configuration by the user**

Unlike solutions that can only be configured through implementation-specific programming by the vendor, AVEVA Control of Work enables the user to configure and reconfigure workflows and forms to suit evolving business needs. Permit forms, for example, can be created from PDF documents linked to objects, enabling the solution to correctly map the form fields to database fields.

### **2D and 3D visualization**

Visualization is recognized as the most effective way to understand the context and meaning of complex information. It saves time and eliminates opportunities for misunderstanding and miscommunication.

### **Advanced technologies**

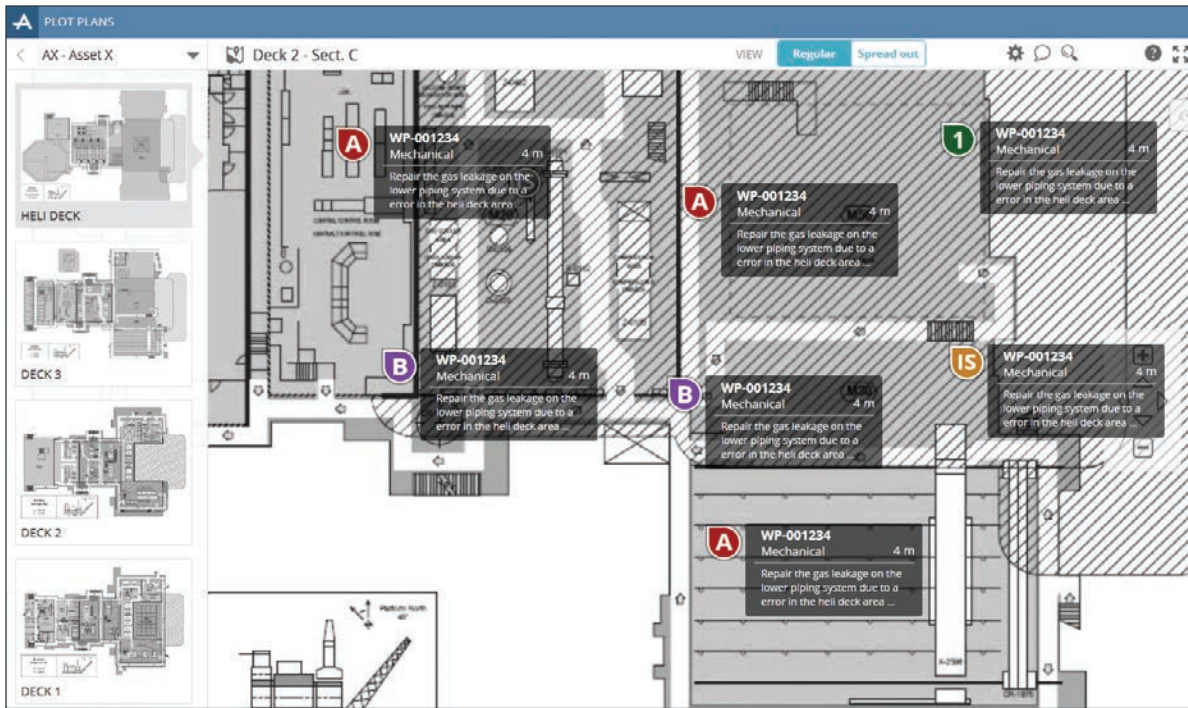
Tablet devices and cloud storage of information are rapidly transforming working methods in the engineering industries. AVEVA Control of Work anticipates such changes by being both tablet-compatible and cloud-ready.

### **Scalability**

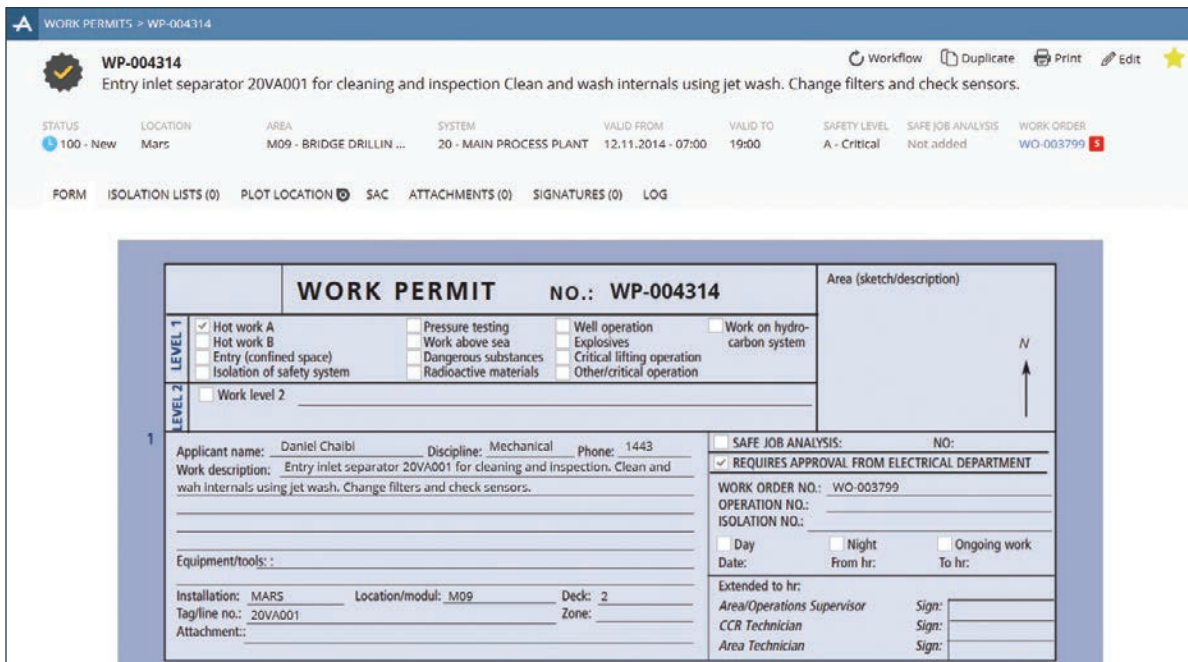
Because AVEVA Control of Work use AVEVA NET's comprehensive Information Management technology it offers a seamless growth path into a complete enterprise-wide Digital Asset solution that aggregates and exploits all asset information, of whatever type or source.

### **A dedicated and future-tolerant solution**

As the longest-established provider of engineering, design and Information Management technologies to the world's engineering industries, AVEVA has unrivalled depth of experience and the widest range of widely deployed, dedicated, broad-portfolio products and solutions. AVEVA Control of Work is therefore a low risk choice of a solution that will continue to add value as technologies advance and business processes become ever more integrated.



Avoid task clashes through advanced work activity plotting



Manage each Work Permit from its creation to closure and archiving

For more information on AVEVA Control of Work, please visit:  
[sw.aveva.com/asset-performance/asset-maintenance/control-of-work](http://sw.aveva.com/asset-performance/asset-maintenance/control-of-work)