

AVEVA Clash Manager

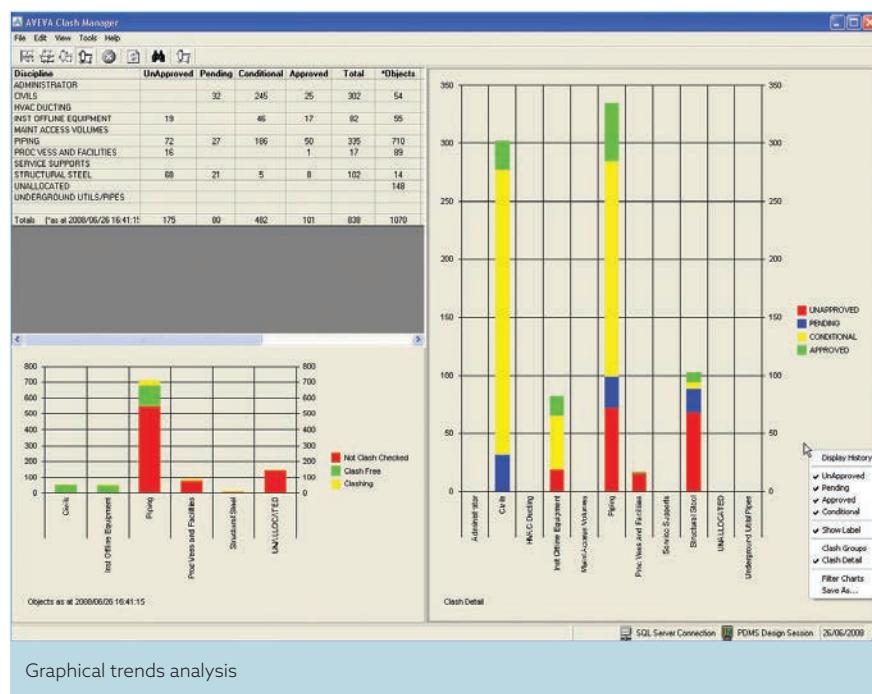


Produces an auditable, clash-free model and improves management of design quality

Managing the process of clash reduction and clash approval in plant and marine engineering projects is traditionally a time-consuming and error-prone process, that leaves project managers without a clear understanding of project progress and status.

The in-built design clash capability of AVEVA Everything3D™ (AVEVA E3D™), AVEVA PDMS™ and AVEVA Outfitting™ is further enhanced by the thorough, managed approval process provided by AVEVA Clash Manager™. It provides comprehensive recording, trend analysis, identification, management and the resolution of clashes through an approval mechanism.

Clash Manager reports on clashes, status, history and the discipline allocated to resolve each clash. This enables the administrator or user to prioritise, control and monitor the work involved in the resolution of all clashes.



Business Benefits

- Quickly and accurately manage the clash reduction process.
 - Set new quality standards in project execution, using flexible, integrated tools, scalable to any size of design project.
 - Removing manual checking methods and engineering bottlenecks provides:
 - increased visibility of project status to project management
 - quicker, better decisions during the design and construction process
 - efficient identification and resolution of clashes
 - improved quality of data through a controlled management environment with a formal workflow and approval process
 - known quality of data and integrity of design
 - significant cost savings, with less time checking and correcting information
 - reduced rework through fewer design errors, maintaining the construction budget and programme through a clash-free design.

Key Features

Clash Manager manages all data through clash approval cycles by item status, enabling change control in accordance with project plans and milestones.

Clash detection can be used to highlight and overcome potential bottlenecks in the project schedule. Users can:

- view and aggregate clashes into groups based on configurable volume rules
- assign clashes automatically by design area and 'owning discipline' depending on the category, class and priority of the clashing elements
- automatically approve or allocate clashes based on configurable rules
- store clash approval records for project reconciliation
- reclassify clash approvals when clash properties change
- investigate trend analysis of clash resolution and state through tabular and graphical reports
- record results and evaluation comments for management reporting, to aid project decision making.

Clash Manager is a productivity tool for project administration or end-users alike, with configuration and control to meet most companies' working practices. Project managers will significantly benefit from the range of management reports available.

AVEVA Clash Manager is supported on the Oracle and SQL Server database platforms, and is fully compatible with AVEVA E3D, AVEVA PDMS and AVEVA Outfitting.

The Clash Process – technical information

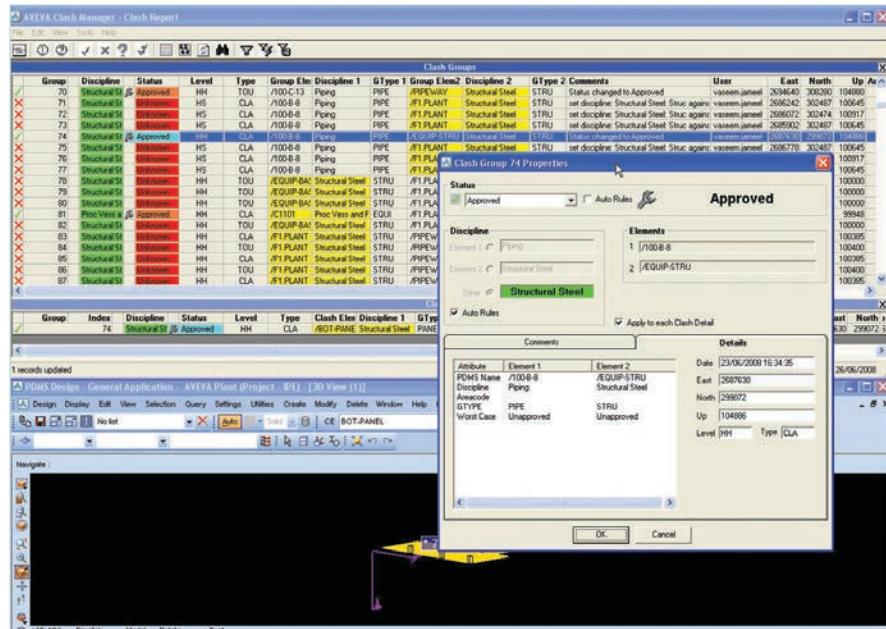
AVEVA E3D, AVEVA PDMS and AVEVA Outfitting provide extremely powerful and configurable in-built clash detection capabilities, available in two modes: an interactive, 'as-you-design' mode and an off-line, bulk mode. Clash reports, both ad hoc and formal, can be created for any part of the plant. Typically, customers will use a combination of interactive and bulk clash detection.

There are several categories of clash, ranging from 'hard-hard' clashes where two components occupy the same space, to 'soft-soft' clashes where, for example, there is an overlap between the access space reserved for the maintenance of two different components.

Interactive clash detection is used within the design environment. As designers work, any clashes that they create are highlighted, so that they can be immediately eliminated. The result is a right-first-time design with fewer clashes to resolve and manage.

Bulk clash reports are typically used to validate large parts of the design, or after design changes. Clash reports can be created for any combination of items in the plant. Towards the end of a project, for example, a complete clash-detection pass might be run across the entire project. At other times, individual parts of the design, perhaps an individual module of the plant or an individual pipe, may need to be validated.

Clash detection within AVEVA E3D, AVEVA PDMS and AVEVA Outfitting is fast, effective, flexible and configurable - proven across thousands of major projects. The system includes many options, enabling designers and administrators to carry out the types and levels of clash check they require.



Designers with valid access can change status and add comments



AVEVA Clash Manager is one of AVEVA's Manage products, which enable global work share, clash management and design review

Information in this datasheet relates to product version 12.1 unless otherwise stated.

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