

# AVEVA NET Workhub and Dashboard



The right information, when and where you need it

**The successful delivery and operation of large, complex capital projects in the process plant, shipbuilding and energy industries relies on the availability and validity of huge volumes of data.**

Information is often held in a variety of different formats in unconnected repositories with teams that can be dispersed across various global locations. For projects, the poor flow of information, and the flow of poor information, can have a significant impact on the quality of decision making.

In operations changes made to this information by many different users can have unforeseen consequences as the physical asset will no longer match the exact digital records of it, leading to invalid and inaccurate information. Further complexities include: how to manage the orderly handover of the digital asset from the contractor; how to deal with various data standards; and how to interface with a wide range of different software applications.

In the face of these challenges, how can the project team and customer ensure that information is complete, and that it complies with both project and operational standards? How can inconsistent or missing information be identified? How can it be made available to the right people, in the right place, at the right time, so that the plant or vessel can be operated safely and cost-effectively?

AVEVA NET™ is a family of powerful Information Management products, bringing together information from disparate locations to enable you to effectively address all of these challenges. With the combination of AVEVA NET Workhub™, the centralised repository of this information, and AVEVA NET Dashboard™, providing enterprise-wide information access and visualisation, users have control of their project and asset information throughout the entire asset life cycle.



In-built visualisation of all project data including 3D modelling and associated document links

## Business Benefits

- Better-informed decision making
- Improved information standardisation
- More efficient and effective information access
- The ability to enhance data quality and integrity
- Reduced software licensing costs

### Additional benefits for Owner Operators

- Progressive information handover from contractors
- Reduced software licence costs across operations
- Increased plant uptime
- More easily verified compliance, including auditability
- More cost-effective implementation of life extensions

### Additional benefits for EPCs

- More efficient access to project information
- Improved handover standards compliance
- Added value in information handover

### Additional benefits for Shipbuilders

- Simple access to complete project data across all shipyard disciplines
- Non-disruptive data integration and access across multiple enterprise applications
- Secure, read-only access to the 3D model and engineering data for shipbuilding partners
- Progressive documentation of the as-built vessel and value-added handover to the ship owner

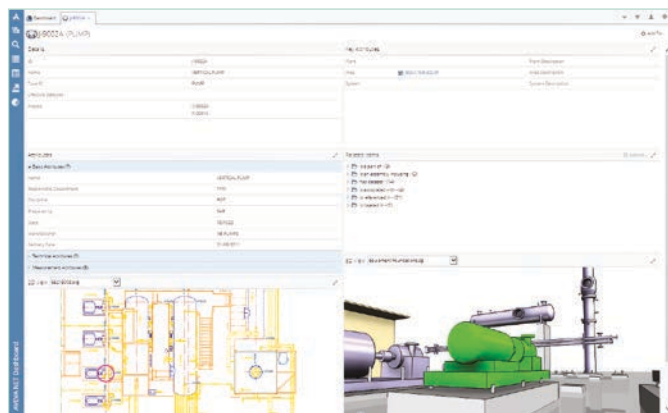
# Overview

AVEVA NET Dashboard is a powerful web-based solution that supports users in organising, validating and collaborating on asset data and documents irrespective of source and location. The intuitive, efficient user interface accelerates the retrieval of relevant and related information. It links distributed project teams to a common data asset via one unique application.

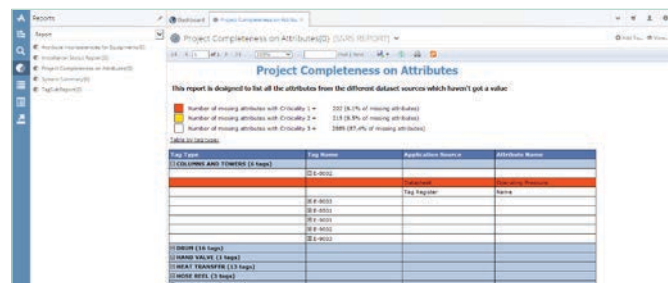
AVEVA NET Workhub enables information of any type and from any source to be stored in a secure environment. Related information is automatically linked together to add context. The Dashboard provides a single environment in which to compare, navigate, visualise, understand and report upon information from multiple systems.

AVEVA NET Workhub and Dashboard can provide a powerful productivity boost for any organisation involved in designing, building or operating complex engineering assets. They enable organisations to maintain a complete and up-to-date digital replica of an asset throughout its life cycle, and to use this information to support the many business processes involved.

This unique ability to work with any form of digital data, no matter what its source or format, is the reason why leading companies choose AVEVA NET to support efficient business processes in both project execution and asset operations.



Collate and view detailed object information through automatic linkages and associations between all items and data in the asset



Data validation through highlighting of inconsistent or missing data against specified project standards

# Key Features

## Automatic data association

From the moment the data is uploaded, the system creates and maintains a complete cross reference index that links and associates all items in the information asset.

## Automatic data validation

The system highlights inconsistent or missing data against configurable rules, such as standard tag, date or data source formats.

## Visualisation of all types of data including:

- HTML5-based viewing of 2D engineering drawings, documents and spreadsheets.
- High quality, interactive 3D models in the web browser. Users can combine multiple models from different sources in a single view. The 3D model can also be used to easily visualise the status of planning information.

## Project search capability

Project data can be quickly and easily searched, and complex queries and reports defined for standardising information discovery.

## Data discovery and navigation

Automatic tag-to-tag and tag-to-document hotspotting and hyperlinking add value to existing data assets.

## Gateways

Enable data from external applications to be imported into AVEVA NET, including 3D models, laser scan data, photogrammetry, 2D drawings and diagrams, datasheets and other documents.

## Timeline simulation

With the addition of AVEVA NET Player™, users can play back an animated sequence of planning or construction activities using the 3D model.

## Support for laser scan navigation

With the addition of AVEVA NET IntelliLaser™, users can view and navigate hotspotting laser scan BubbleViews™, providing improved information contextualisation for in-service assets.

## ISO 15926 support

## 'In-Context' Connectivity to AVEVA Design Tools

New connectivity with version 5.0.1+ allows embedding of AVEVA NET search, associated content list and universal document viewing within AVEVA Everything3D, AVEVA Engineering and AVEVA Diagrams. This Design in Context™ capability enables faster, better and more informed decision making by design teams through in-application access to the Digital Asset.

## Configurable security and access control

According to their access permissions, users can see differing levels of information detail, right down to object level.

AVEVA NET Workhub and Dashboard is a fundamental component of AVEVA's Digital Information Hub Solutions

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