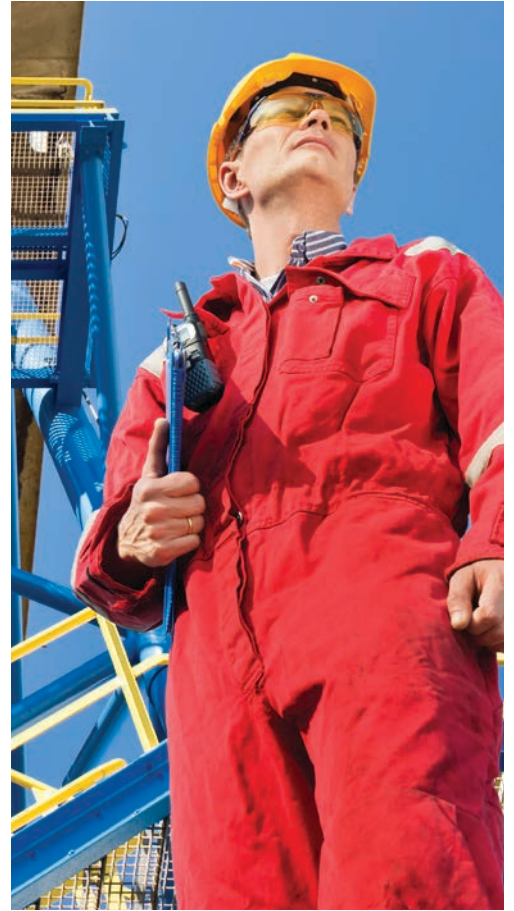


AVEVA's Project Data Assurance Solution

An AVEVA Digital Information Hub solution

AVEVA™



www.aveva.com

Introduction

For an EPC contractor, one of the most challenging areas of any project is managing the vast quantities of data and documents produced. Inconsistent, incorrect or missing data can have a significant impact on the project's adherence to budget and schedule, and on its handover, commissioning and start-up.

Authoritative research¹ has shown that a mere 1% reduction in the quality of project information leads to a 10% increase in the resources required to complete the project on schedule.

AVEVA's Project Data Assurance solution provides a single source of assured information in a multi-contract, multi-CAD project environment. It not only increases information quality throughout the project life cycle, it can also satisfy Owner Operator (OO) clients that delivered data and documents are consistent and compliant, ready for commissioning and operation.

It is an ideal solution for EPCs who want to deliver additional Information Management value to their clients, and for OOs who want to actively verify the quality of data being delivered into their operations systems. For both, Project Data Assurance guarantees that high-quality, actionable information is available to all project stakeholders, to promote better, more effective decision making.

'Authoritative research has shown that a mere 1% reduction in the quality of project information leads to a 10% increase in the resources required to complete the project on schedule...'



¹ CMII Research Institute White Paper CMII-810C.

Overview

Project Data Assurance is an AVEVA Digital Information Hub™ solution. It aggregates project information from documents and data sources, and structures it according to the customer's data model.

It also provides essential information governance by validating datasets against a project's defined information standards, ensuring that only trustworthy information is available to the project stakeholders. Any non-compliant datasets are easily identified so that informed corrective actions can be taken.

In addition, the solution's web-browser interface provides rapid, intuitive access to all types of information without the need for the original authoring applications, while customisable reporting enables easy interpretation and verification of the data.

'Non-compliant datasets are easily identified so that informed corrective actions can be taken...'



Business Benefits

Established, managed information standards

- Creates a common language between the EPC and the OO client

Assured quality of project information

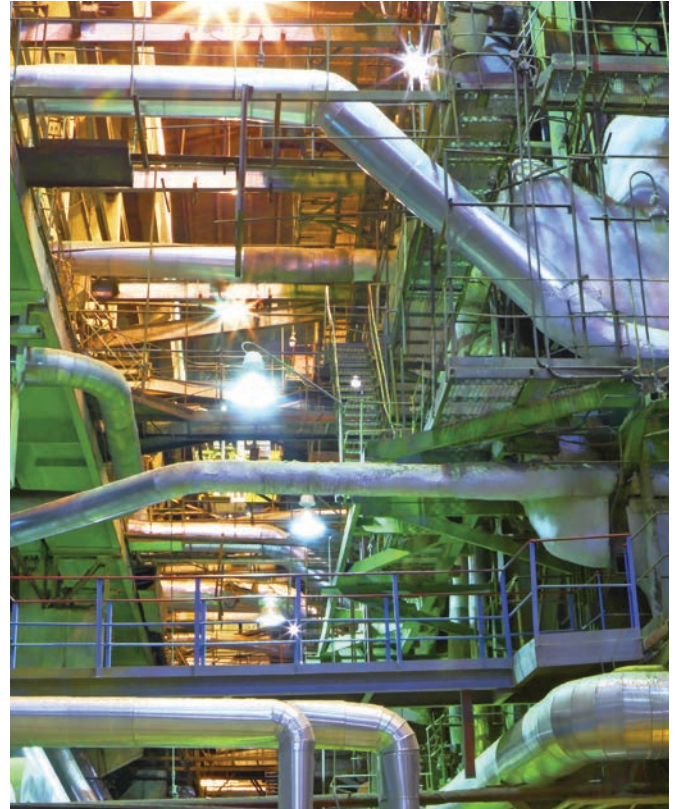
- For EPCs, ensuring that customer requirements are satisfied
- For OOs, ensuring the quality and completeness of delivered data

Reduced project costs

- Improved communication and collaboration
- Minimal need to manage physical documentation

Reduced project risk

- Easier monitoring and project control
- Minimise your exposure to litigation by demonstrating adherence to information standards



Key Features

- Very intuitive web-based graphical user interface
- Straightforward management of information standards
- Managed data validation against defined information standards
- Powerful reporting capabilities
- Configurable security and access control



AVEVA's Approach to the Digital Asset

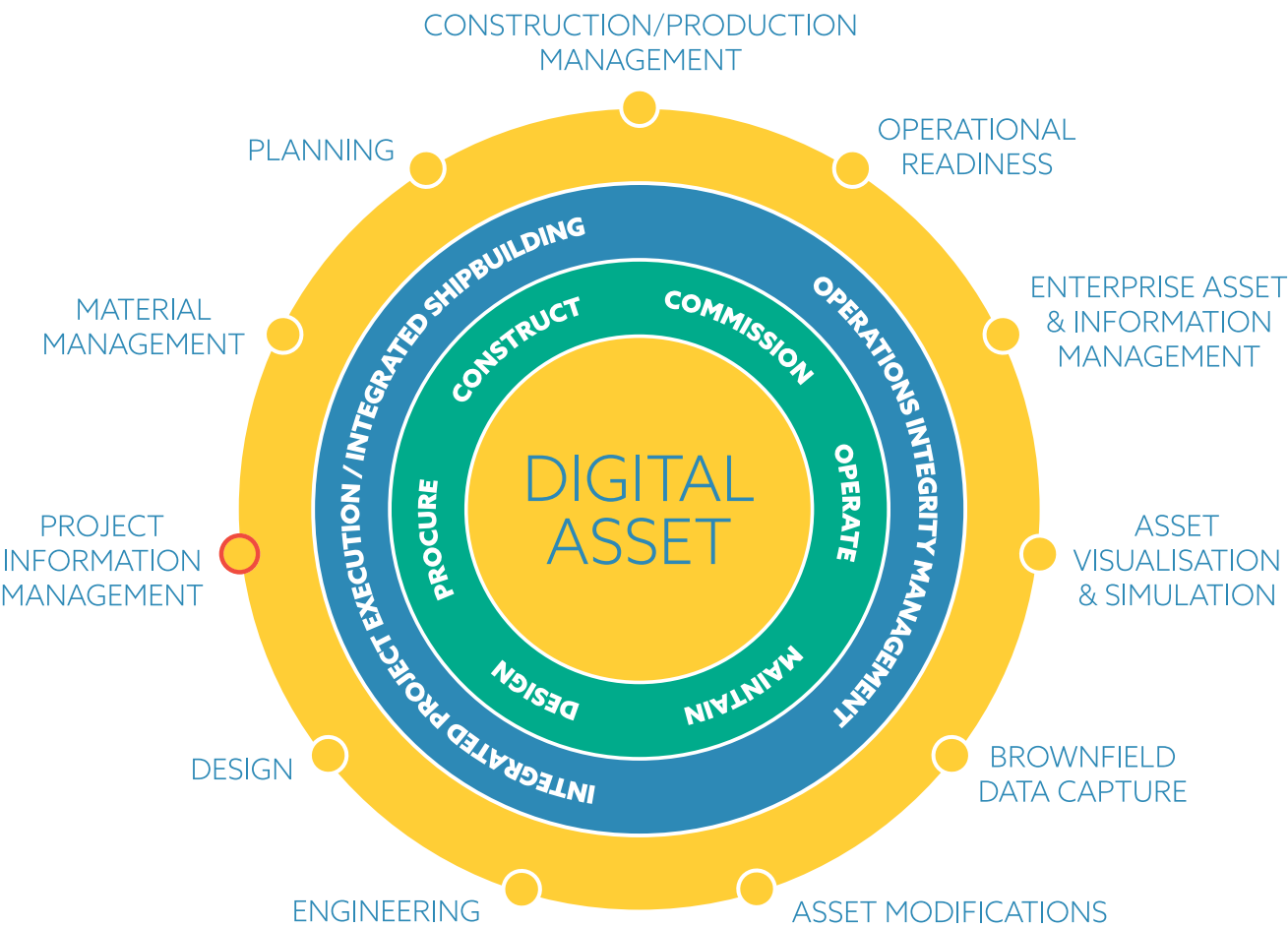
The Digital Asset is the information core of every facility.

It unifies the trusted information that flows through every system, populates every application, and embeds every document and model. It continuously represents the physical asset, providing a record of its changes and a platform from which to predict its future.

AVEVA's Digital Asset approach enables EPCs and Shipbuilders to manage the critical demands of cost control, deadlines, quality and compliance. Rapid project start-up, efficient multi-discipline collaboration, streamlined compliance and clash-free design all help to eliminate construction rework and drive schedule adherence.

Not only does this approach enable a high-quality physical asset to be delivered to the Owner Operator (OO) on budget and on time, it also delivers additional value to clients through the provision of an 'as-built' Digital Asset comprising accurate, comprehensive, validated information.

AVEVA's Project Data Assurance solution provides the project Information Management capability of the overall Digital Asset approach.



Solution Components

The Project Data Assurance solution comprises four elements. Three are integrated software components that are carefully configured by a package of Information Engineering services during set-up and implementation to meet specific information standard requirements.

AVEVA Information Standards Manager™

AVEVA Information Standards Manager (AVEVA ISM™) rationalises existing class libraries and imposes consistent, compliant information standards management.

AVEVA NET Gateways™

These provide the essential linking of a company's information sources with the AVEVA NET™ family of products. They enable comprehensive, enterprise-wide access to all types of engineering, design and project or business data without disrupting the data management processes of the authoring/mastering systems.

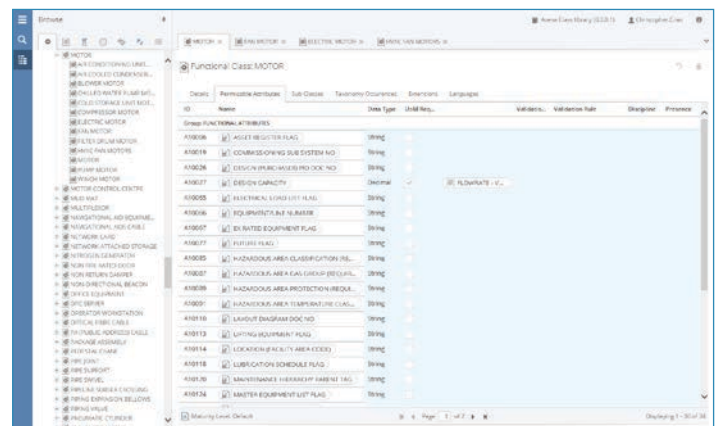
AVEVA NET Workhub and Dashboard™

This enables users across the enterprise to visualise, validate, link and collaborate on all types of data and documents, securely, in a highly automated way, and without the need for the original applications in which the data was created.

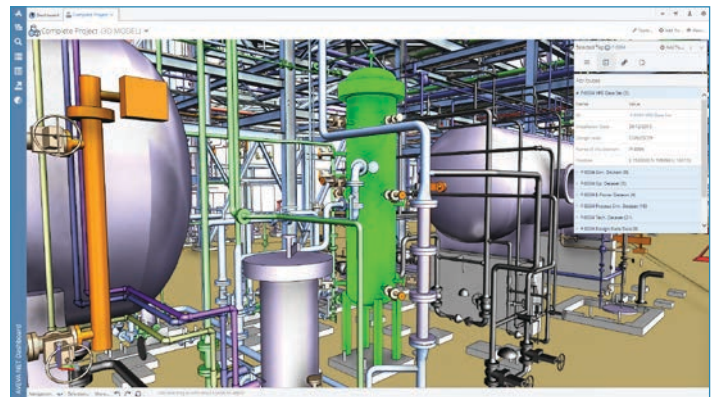
Information Engineering Services

AVEVA's Information Engineering team can help you define and assemble Project Information Standards and advise you on how to approach the gathering and validation of contractor and/or sub-contractor deliverables. The team can also provide assistance in defining reports to help measure the quality and consistency of the project information.

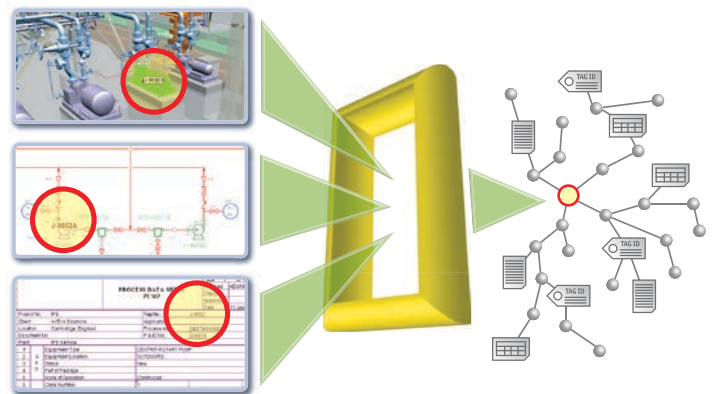
Further in the project, the Information Engineering team can also provide support with the typical mapping and data handover services required to get the project information into operations.



AVEVA ISM defines all applicable details of each object class



AVEVA NET includes in-built visualisation of all project data including 3D modeling and associated document links



AVEVA NET Gateways bring together multiple tag references about a single object

Solution Summary

The Project Data Assurance solution is essential for those EPCs who have identified the importance of project information quality in their overall processes and efficiencies. It reduces project risk by ensuring that data and documents are of a consistent, predictable quality suitable for handover to project stakeholders.

This solution is also ideal for any OOs wanting to actively verify the quality of data being delivered from their contractors.

'The Project Data Assurance solution reduces project risk by ensuring that data and documents are of a consistent, predictable quality, suitable for handover to project stakeholders...'



