AVEVA

AVEVA™ Asset Information Management Discovery

Improve operational performance and safety with rapid, intuitive access to the Digital Twin

AVEVA Asset Information Management Discovery provides a continuously evolving single source of truth across the asset life cycle through a scalable and repeatable Cloud solution for universal access to engineering and asset information. By standardizing deployment and drastically reducing implementation timescales, you can start seeing positive outcomes for your business quicker than ever before.

Overview

Across all industries, accurate information is needed to support the maintenance and operation of complex assets. It's common, however, to see asset models, maintenance information, manufacturers' data, P&IDs, and other data stored in a variety of different formats in unconnected repositories, with teams often dispersed across various global locations.

This approach results in data silos and a severe lack of transparency, efficiency, and trust within organizations, creating obstacles such as:

> **Once a perception that data quality is poor has been established, it can be a very difficult perception to correct.**
>
> Ref. IAM Institute / Asset Information, Strategy, Standards and Data Management SSG

Finding Relevant and Complete Information

Accurate and effective decision-making relies on being able to find the correct information at the right time.

The lack of a trusted Digital Twin results in unplanned downtime, attributed to delays in finding appropriate information, putting maintenance workers at risk and wasting engineering person-hours searching for data.

Lack of Information Standards

Multiple data types stored in different systems across the enterprise with no standardization undermine the ability to correlate different data sources and get actionable insights.

Regulatory Compliance and Safe Operation

The inability to promptly recall vital engineering information makes it challenging to demonstrate regulatory compliance and guarantee safe operation.

AVEVA Asset Information Management Discovery turns data from multiple information sources and systems into trusted actionable information, delivering a Digital Twin of up-to-date information that accurately describes the current condition of the physical asset, rather than how it was initially designed. It enables workers to make better decisions based on data, and businesses to improve operational performance and safety while reducing risk.

> **The cost of poor asset information equates to 1.5% of sales revenue per annum.**
>
> Ref. NIST Study / SAP-Centric EAM

Business benefits

Unlock isolated information for assets

AVEVA Asset Information Management Discovery can be rapidly deployed across a region, country, or business unit, leveraging existing IT investments. It provides an agnostic solution, capable of ingesting data in various formats from multiple systems and delivering universal access to engineering information, so workers can quickly access the content they need to do their jobs.

Close the gaps on critical asset information

By bridging data silos, the solution highlights where critical information and documentation is missing, so teams can work on closing the information gaps and drive informed decision-making.

Enhance decision-making and workforce efficiency

The solution provides quick access to trusted data so that your workforce can spend less time searching for required information and more time on executing productive work to support critical business processes.

Improve safety and regulatory compliance

With easy access to a trusted digital representation of the actual as-operating state of the asset, it's easy to recall documents and critical data to respond quickly to incidents, ensuring safety at all times and to demonstrate regulatory compliance, avoiding fines and penalties.

Increase collaboration

Easily and securely share critical information with employees and trusted partners through the Cloud. Data is unlocked and made available anywhere, any time, so everyone can access and collaborate using the same data.

Accelerate time to value

AVEVA Asset Information Management Discovery delivers a fully scalable, predictable, and repeatable SaaS infrastructure. By standardizing the deployment, implementation timescales are greatly reduced from many months to just two weeks, so you can start seeing positive outcomes for your business quicker than ever before.

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> **Businesses with poor asset information management processes are found have total business expenditures up to 5% higher.**
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> Ref. IAM Institute / Asset Information, Strategy, Standards and Data Management SCG
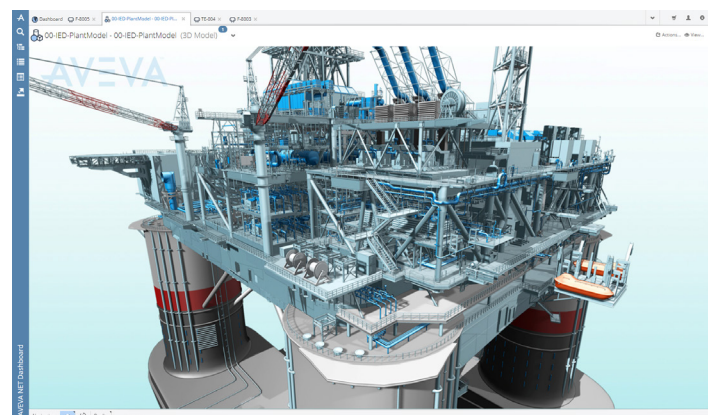>
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Reduce costs

Get the benefits of an information management solution without the overhead of installation, deployment, version control, and hardware maintenance.

AVEVA's secure, reliable, and scalable Cloud asset information solution delivers:

- Minimum risk throughout implementation and operation with a fully managed service supported through a service level agreement
- Reduced training costs with easy-to-use software now accessed online
- Elimination of the cost of initial set-up and updates: AVEVA will work to continuously improve, support and maintain the software for you.

Commercial flexibility

Cloud offers commercial flexibility with various subscription approaches. Plus, your IT burden is reduced because AVEVA provides the necessary computing infrastructure, backup, updates, security, and performance.
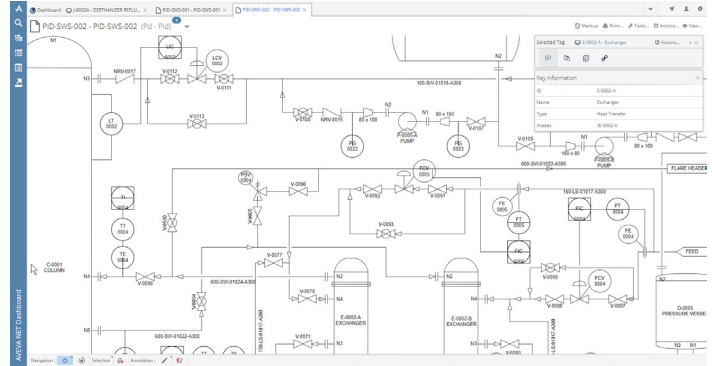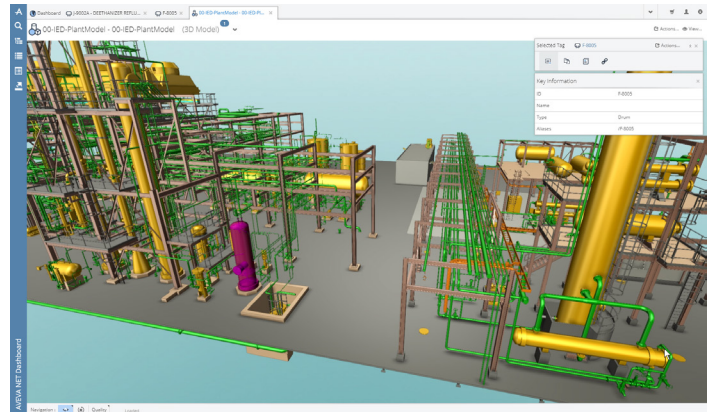

Whole model 3D visualization

Key features

AVEVA Asset Information Management Discovery is a solution tailored for owners and operators looking to improve governance for asset life cycle information and lower total cost of asset ownership. It provides:

- **Universal access to your Digital Twin**, allowing access to all informational content at any time

- **2D and 3D visualization:** intelligent, hotspotted P&IDs and 3D models that link back to the content referenced in the database

- **Powerful search capabilities:** quickly find all information associated with a specific asset

- **Ability to organize, validate, and collaborate on asset data and documents** irrespective of source or location

- **Improved security:** data is secure and only accessible to approved parties

- **Rapid deployment** across a region, country, or business unit with predefined solution templates that reduce implementation times

- **Continuous improvement** with regular updates and feature enhancements constantly being pushed to the Cloud, without having to install any software updates or disrupt productivity.

- **Guaranteed and fully audited delivery model** for imported and exported data

- **Reduced risk** through native Cloud support for backup and disaster recovery

- **Richer information about the operating plant and equipment** to support document authoring, reviewing, and distribution process

For more information, visit:
sw.aveva.com/asset-performance/asset-visualization

2D visualization - hotspotted P&ID

3D model visualization

aveva.com