# AVEVA **NET** Gatekeeper

## Validate all asset information, from any source, against defined quality standards

**Decisions based on inaccurate, incomplete or misleading technical information can lead to some of the most significant business risks. On engineering projects, managing and ensuring the integrity of the digital representation of a physical asset is a challenge faced by both engineering contractors and Owner Operators.**

In a major capital project, the engineering contractor may often work to different technical information standards from the Owner Operator. Both parties run the risk of the project incorporating unchecked errors, incorrect formats and non-validated information that may not be discovered until, or even after, the final data handover. Inconsistent information standards may even exist throughout the entire supply chain, exacerbating the lack of information integrity.
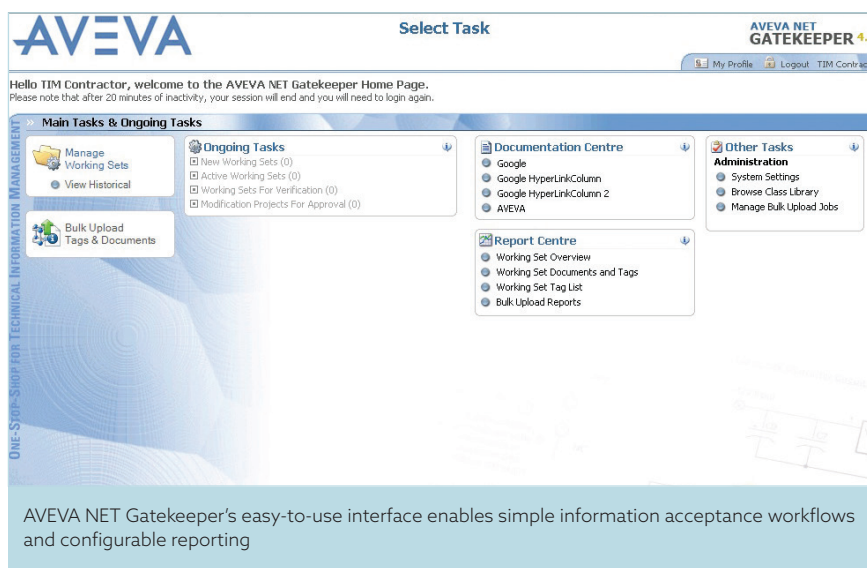
In this situation, undetected information deficiencies can increase through successive stages of the project, leading to progressively poorer decisions. At best, this incurs significant time and resource costs to the Owner Operator to correct the information; at worst, undetected errors can lead to impaired asset performance or hidden safety hazards.

Part of AVEVA's Information Management solution, AVEVA NET Gatekeeper™ ensures that information is accepted into an implementation of a Digital Information Hub (DIH) in a controlled way and that it complies with defined information standards. This is a necessary first step in ensuring that critical information assets are of a known standard, complete and trustworthy.

### Business Benefits

**By ensuring the quality and compliance of the information asset, AVEVA NET Gatekeeper will:**

- reduce the costs of verifying information
- reduce the risks inherent in untrustworthy information
- enable reliable monitoring of project status, asset performance and regulatory compliance
- enable confident decision making
- accelerate project handover, commissioning and start-up
- enable the most efficient business processes
- support effective incident response



AVEVA NET Gatekeeper's easy-to-use interface enables simple information acceptance workflows and configurable reporting

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# Overview

AVEVA NET Gatekeeper is a key component of AVEVA's implementation of the Digital Information Hub concept. It provides the essential function of loading information into the DIH and ensuring that this information complies with industry and operating standards.

For engineering contractors, this saves the time and cost overhead involved in identifying and correcting non-compliant information and creates a platform for informed decision making. It is a key enabler for streamlined handover of high-quality asset information to an Owner Operator. For asset operators, it ensures that information created or updated throughout the asset's working life remains trustworthy to support safe and efficient operation. In combination with AVEVA Change Manager, it is also the foundation for a legacy data clean-up programme.

## About the Digital Information Hub

A Digital Information Hub is a centralised store of accurate and trusted information that can be widely accessed, easily visualised, and contextualised against other enterprise system data. This hub enables our customers to maintain a digital replica of their asset throughout its lifecycle, from project to operations, and enables the information therein to be made available to support the many business processes that make up the lifecycle of such an asset.

A complete AVEVA NET-based implementation of a Digital Information Hub will comprise a number of 'building block' applications, configured according to an enterprise's particular requirements. AVEVA NET Gatekeeper's role is illustrated in the diagram.

# Key Features

AVEVA NET Gatekeeper integrates directly with both AVEVA NET Dashboard and AVEVA NET Workhub. It is capable of automatically importing thousands of data objects in a single upload.
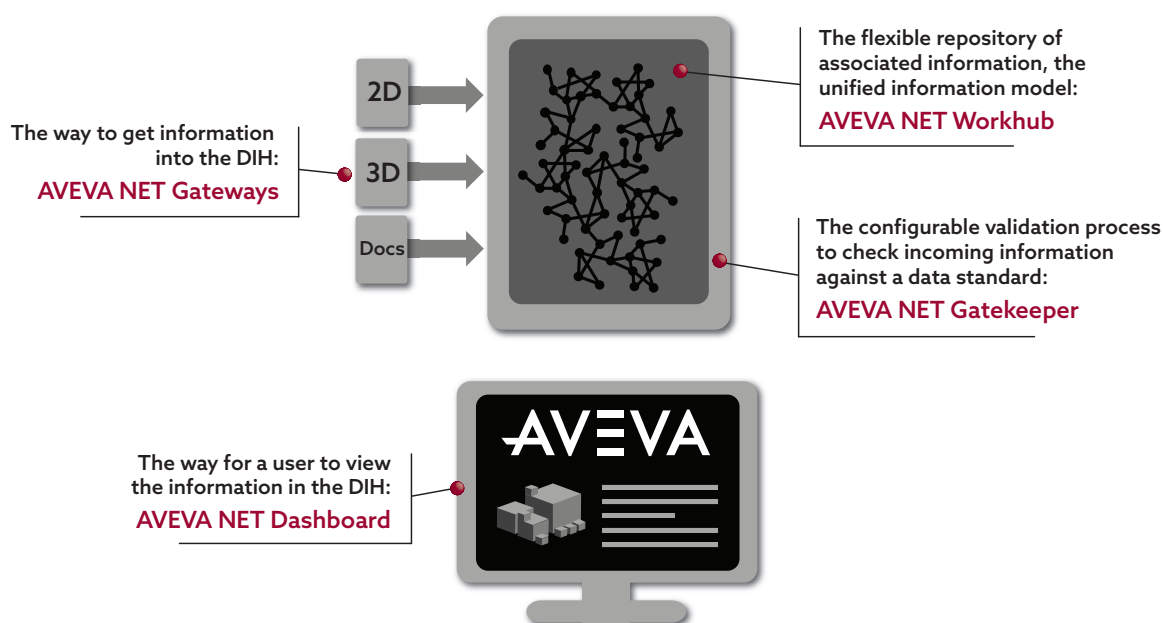
AVEVA NET Gatekeeper validates the integrity of incoming information against configurable, defined criteria, whether applicable industry standards such as ISO 15926 or enterprise-specific ones.

Levels of validation compliance can be defined according to appropriate criteria. Non-compliant data can be rejected automatically or accepted for import but flagged for review and resolution. This enables bulk information uploads to be performed efficiently and any errors or inconsistencies managed by exception, providing robust control of data quality without unnecessary hindrance to workflows.

As well as enabling efficient business processes during both project execution and asset operations, by monitoring automated data uploads AVEVA NET Gatekeeper enables phased information handover from contractor to operator.

AVEVA NET Gatekeeper provides not only information validation, but valuable additional capabilities, including:

▌ A formal process for information acceptance by an information manager.

▌ Streamlined data loading through the identification and loading of only information which is new or changed since the previous import.

▌ Full reporting of compliant and non-compliant information.

▌ Tools to provide configurable reports and key performance indicators on data quality.



The way to get information into the DIH:
**AVEVA NET Gateways**

2D

3D

Docs

The flexible repository of associated information, the unified information model:
**AVEVA NET Workhub**

The configurable validation process to check incoming information against a data standard:
**AVEVA NET Gatekeeper**

The way for a user to view the information in the DIH:
**AVEVA NET Dashboard**

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