



DATASHEET

AVEVA™ Information Standards Manager

An intuitive, accessible information model is the first step to creating a trusted digital twin

From design all the way through operations and decommissioning, an industrial facility sees massive amounts of data generated and changed over the course of its lifecycle. The ability to capture and validate that data is the first step to creating a trusted digital twin, which can help industrial organizations achieve a 1-2% growth in revenue, and a 10-30% reduction in expenses. However, because information is commonly distributed across multiple teams and systems in engineering, procurement, and construction (EPC) companies and owner operators, information is more challenging to capture and validate, which jeopardizes the reliability and ultimately the value and ROI of the digital twin.

With AVEVA Information Standards Manager, users can upload, visualize, navigate, and understand an information standards definition, and fully edit, update, and store information standards. The solution automatically checks the consistency of information standards and creates a detailed audit trail of any changes applied to the information standards.

	SET POINT	SET POINT HIGH	SET POINT HIGH HIGH	SET POINT LOW	SET POINT LOW LOW	CALIBRATED RANGE MAX	CALIBRATED RANGE MIN	CONTROLLER DISPLAY RANGE MA	CONTROLLER DISPLAY RANGE MI	I/O TYPE	SIGNAL TYPE	ATEX EQUIPMENT CATEGORY	FIRE AREA	HAZARDOUS AREA CLASSIFICATI	HAZARDOUS AREA GAS GROUP	HAZARDOUS AREA PROTECTION	HAZARDOUS AREA SPECIAL CON.	HAZARDOUS AREA TEMPERATURE	FUNCTIONAL CLASS NAME	LINK TAG TO PARENT FLAG	LOCATION (FACILITY AREA CODE	LOOP ID	
	Process Data					ICE Data				Ex Data													
FIRE OR GAS DETECTION EQUIPM...																							
DUST DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FIRE AND GAS ALARM LAMP																							
FIRE AND GAS ALARM SOUNDER ...																							
FLAME DETECTOR - VIDEO IMAGI...																							
GAS DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HEAT DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FLAME DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INDICATOR LAMP																							
MANUAL CALL POINT																							
OIL MIST DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAFETY LAMP																							
SMOKE DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DIGITAL INPUT																							
DIGITAL OUTPUT																							

A permissible grid showing class to attribute data requirements

Key features

Class library creation:

- Functional, physical, document, and attribute classes that form the foundation of the digital asset
- Class hierarchies, providing inheritance of properties and behaviours, which enables a normalized model to be defined without redundancies or discrepancies
- Taxonomies, which provides multiple views of the information model to meet the needs of multi-discipline teams
- Units of measurement, eliminating a common source of inconsistency and costly operational errors
- Naming templates for tags and documents
- Definition of expected or required relationships between objects

- Rich extensibility, enabling any definition to be extended with custom properties

Class library management:

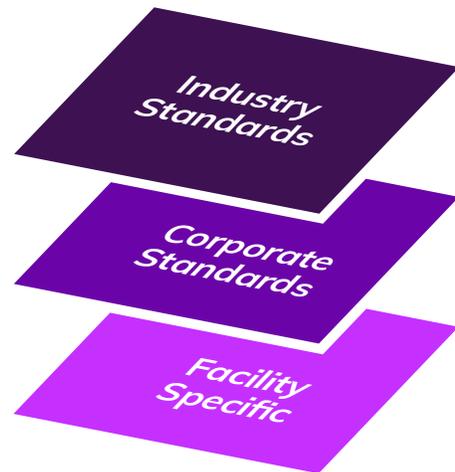
- Import class library models from external sources
- Aggregate multiple class libraries into a single information standard
- Consolidate corporate, regional, and asset- or project-level standards
- Check the integrity of class libraries with in-built validation
- Immediate visualization of any changes to the class library
- Simple and advanced search, supporting regular expressions

Data consistency rules:

- Define validation requirements of objects and individual attributes
- Define maturity rules to better understand how data requirements change during an object's lifecycle

Information export:

- Export of an entire or partial information standard in XML or Excel format
- Export permissible grid reports for easy communication of requirements
- Export validated configuration for AVEVA™ Asset Information Management



Layers of the information standard can be governed individually