AssetWise Engineering Content Management

AssetWise Engineering Content Management (AssetWise ECM) manages information for infrastructure operations and maintenance throughout the lifecycle of change – ensuring the delivery of relevant, trusted information, in context – where and when it is needed.

About AssetWise ECM

AssetWise ECM uses the eB platform technology as the foundation of Bentley's AssetWise capabilities set. AssetWise ECM delivers complete information management during an infrastructure's operations and maintenance lifecycles and beyond. It uniquely integrates configuration requirements and change management best practices to deliver powerful asset lifecycle information management capabilities.

Accurate, Flexible, and Powerful Information

AssetWise ECM manages information throughout the lifecycle of change – ensuring the delivery of relevant, trusted information, in context – where and when it is needed. Infrastructure information must be identified, characterized, and related to all other relevant information. AssetWise ECM provides flexible and powerful information modeling capabilities that allow organizations to quickly and easily structure and organize their information assets. AssetWise ECM makes it easy to define information types and the relationships between them – including documents, requirements, people, processes, policies, physical assets, and more. It also makes it easy to federate this information for use by external sources.

Organizations employing AssetWise ECM can begin the information management process earlier and reduce the need to rely solely on data gathering and analysis for building a complete information model. AssetWise ECM ensures that organizations can leverage information that is accurate, complete, and in context. By integrating with key enterprise applications, AssetWise ECM can provide visibility and management across the entire set of available information.

The Benefits of an Information-centric Approach

By modeling how information is identified, characterized, and reported, as well as how it behaves, interacts, relates, etc. – independent of specific workflows – information integrity and control are much more easily achieved. This approach also lends itself to evolutionary expansion of the information data set, independent of workflow automation. Workflows can also be optimized, reaping the benefits of this technology with respect to collaboration, reduced queue wait times, and process compliance. Being able to use the enterprise information set, rather than having to maintain it, makes workflow implementation more lightweight and flexible, and promotes process improvement enhancements.

Change Management

Effective enterprise change management cannot happen without the ability to create relationships between relevant information, which is key to identifying the impact or effects of change. AssetWise ECM offers powerful features for varying levels of change management. When information assets are approved for change, the software controls the asset and its attribute data with a formal change process. AssetWise ECM monitors the progress of a change request by providing status details for each affected information asset, traces the complete lifecycle of changes made, and compiles an accurate revision history.

Configuration Management

Configuration management is a method of ensuring that asset configurations conform to their requirements. It addresses not only the classical aspects of document management – such as capture, storage, management, and retrieval – but also the ability to identify and retain the context of information and its relationship to projects, products, plants, processes, equipment, organizations, and users throughout their lifecycles. Configuration management ensures information integrity through closed-loop change management, ensuring consistency between all aspects of operational information and the requirements related to the asset being described.

Document Control

Effective document control must blend four key functional areas: document management, change management, records management, and distribution. AssetWise ECM integrates this functionality to provide a powerful, full-featured information application for organizations to effectively, efficiently, and accurately capture, manage, control, retrieve, distribute, and archive all types of infrastructure asset information across a facility or network.

Incident Management/Corrective Action

Though known by different names in different industries, the need for incident management, sometimes called corrective action, is critical for infrastructure facilities and networks. Incident management automates and facilitates the identification and resolution of incidents through user-friendly condition reports, reviews, action tracking, and eventual closure.

Requirements Management

Even small requirements changes can have a big impact on asset performance and maintenance, cascading through numerous tasks and potentially affecting costs and schedules. Requirements management is a continuous process that is critical to meeting design specifications as well as ensuring operational and regulatory compliance. With AssetWise ECM, critical requirements information can be updated in real time, and the information is then automatically propagated through established interrelationships so that it is accessible to stakeholders everywhere it is needed. Coupled with AssetWise ECM's effects analysis capabilities, changes in requirements can be assessed and implemented with complete control and confidence.

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