OpenText Solution Brief

Transform asset information management with OpenText Extended ECM for SAP® Solutions and SAP® Master Data
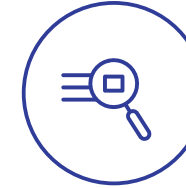
Objectives　　**Solution**　　**Benefits**　　**Quick facts**

Improve asset information management with a centralized process for managing critical asset information changes.

When it comes to managing critical asset information, it is imperative to centralize the creation and management of critical asset data. But what about changes to unstructured content? Shouldn't the same level of control and governance apply?

Documents play a key role in how assets are handed over and decommissioned. SAP® Master Data Governance (MDG) for Enterprise Asset Management (EAM) extends master data governance to areas where is it critical to have perfect data.

SAP MDG for EAM securely manages and controls how critical master data is created and modified over time in accordance with specific change control processes. This is key especially for critical documents such as equipment manuals, engineering drawings, piping and instrumentation diagrams, etc., where oftentimes the exact process of review and approval must be followed.

By combining OpenText™ Extended ECM for SAP® Solutions with SAP MDG for EAM, you can leverage a single platform and rules engine to synchronize data and content changes—ensuring accurate and complete asset information.

Master data governance extends beyond structured data to unstructured content
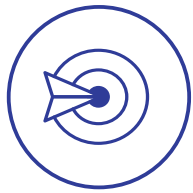
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Simplify the asset onboarding process

Extended ECM *for SAP Solutions* with SAP MDG for EAM combines structured and unstructured information with the critical information management process—ensuring accuracy and traceability.

Not unlike data, documents need to be securely managed and accessible to the right people at the right time, especially when it relates to the critical assets managed by SAP Plant Maintenance. In many cases, the lifecycle of an asset begins with a document, whether it's the equipment instruction manual, maintenance schedule, or an as-built engineering drawing—documents and assets go hand-in-hand.

Introducing content into the review and creation process of the asset record ensures critical master data is complete. This also ensures that all required documentation is accessible upon asset commissioning in the field and throughout the asset life.

Integrating Extended ECM for SAP Solutions and SAP MDG for EAM can simplify processes by configuring data-driven business rules. This ensures critical asset documentation is complete throughout the entire onboarding process.

Whether it's a final review by the engineer or someone responsible for Health and Safety, Extended ECM for SAP Solutions with SAP MDG for EAM helps ensure all critical asset information—both data and content—is tightly governed.

An integrated content and data management platform streamlines the asset onboarding process and ensures data and content remain in-sync throughout the entire asset life.
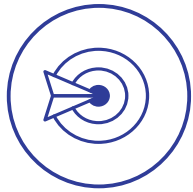
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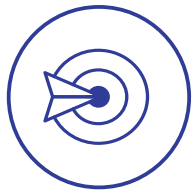
Streamline the capital data handover process

Capital data handover has traditionally been lengthy, complex orchestration of documents and data flowing from various systems of record, all of which must be loaded into SAP EAM. Combining Extended ECM *for SAP Solutions* with SAP MDG for EAM streamlines this process.

Capital data asset information comes in a wide array of formats and is derived from various sources: data load sheets coming from EPC transmittals, P&IDs, maintenance schedules, criticality ratings, and a variety of other types of documents and engineering drawings.

Extended ECM for SAP Solutions plus SAP MDG for EAM reduces complexity by combining the structured and unstructured information domains. The integrated staging area collects, validates, enriches, transforms, and stages content within a workspace where it is reviewed and validated into EAM with the associated master data. Automating these traditionally manual processes diminishes the chance for error and reduces the ramp-up time for operational readiness.

Ultimately this integrated approach addresses a longstanding gap in capabilities by providing the ability to seamlessly combine changes to content and data in a single process.

Engineering Data Warehouse (EDW)

Enterprise Content Management (ECM)

Integrated Staging Area

Enterprise Asset Management (EAM)

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Deliver operational excellence

Driven process automation transcends traditional software boundaries and ensures accurate and complete asset information management.

Many types of equipment—such as pressure vessels and valves, furnaces, and heavy machinery—come with a risk of injury, fatality, or environmental impact. Private citizens have high expectations for industrial responsibility, and government regulations require increased diligence, testing, and documentation. Keeping accurate corporate records is no longer optional—to master this, you need the proper tools.

Beyond the integration into the MDG framework, the Extended ECM for SAP Solutions with SAP MDG for EAM solution provides in-depth records management functionality enabling you to fully document and manage the lifecycle of enterprise content. Records can be declared in accordance with legislative requirements that state they can be found quickly and easily.

The solution can be configured to classify documents automatically, thus supporting consistency and accuracy, and complying with the U.S. Department of Defense directive 5015.2 for records management.

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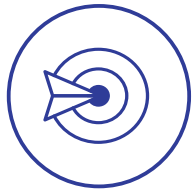
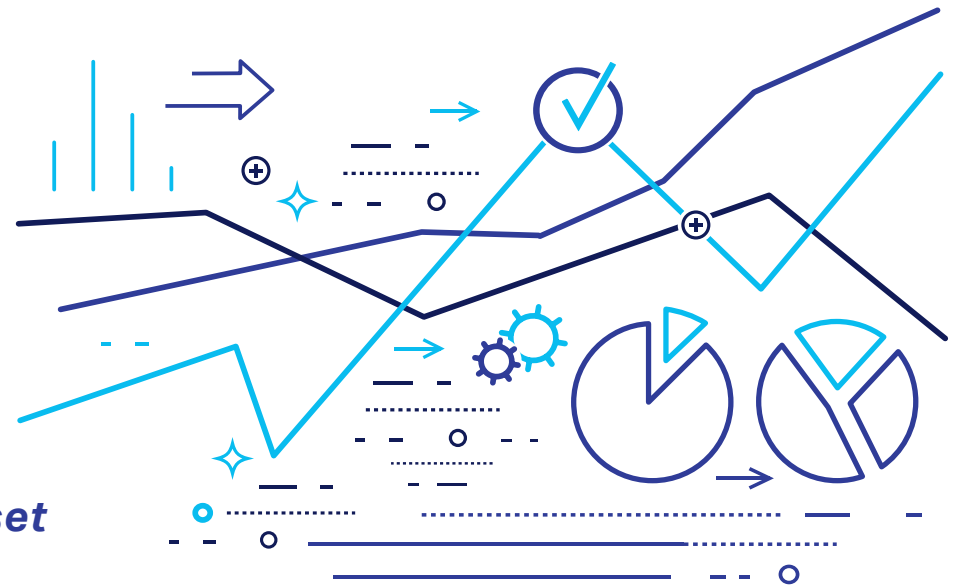Objectives　　Solution　　**Benefits**　　Quick facts

# Achieve perfect asset information management

Extended ECM *for SAP Solutions* provides the ability to extend beyond traditional software boundaries by combining structured data with unstructured content.

The Extended ECM for SAP Solutions with SAP MDG for EAM solution helps improve the efficiency and effectiveness of your asset management processes. With centralized, easily accessible maintenance content, you'll boost productivity, improve operational control, increase asset reliability, reduce unplanned outages, and optimize the shutdown-turnaround process. Plus, content-enriched business processes powered by connected workspaces enable internal and external collaboration while increasing transparency and operational efficiencies.

In addition to bringing greater operational efficiencies, the solution also helps reduce risk and ensure compliance through in-depth records management functionality that supports information consistency and accuracy.

Best performers achieve more than 97% asset uptime and shorter shutdown-turnarounds
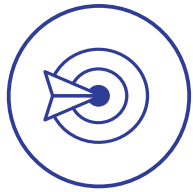
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Summary

The Extended ECM *for SAP Solutions* with SAP MDG for EAM solution combines two of SAP's most powerful solutions for managing critical asset information. The solution holistically manages data and documents throughout the entire asset lifecycle, from planning to decommissioning. While the solution perfectly complements SAP MDG for EAM, Extended ECM for SAP Solutions integration into MDG can be used to support additional domains such as supplier, customer, material, product, as well as custom domains.

Objectives

- Reduce redundant process silos and eliminate inconsistencies between data and documents
- Govern data and content centrally across multiple systems of record
- Adhere to internal and external compliance and information governance policies
- Combine and accelerate both data and document related changes to enterprise assets
- Accelerate the asset onboarding process and enable faster, more informed decision-making

Key capabilities

- Centralized solution for simultaneously governing master data, documents, and drawings
- Content-enabled change requests to support decision-making and transparency
- Integrated staging area enables simultaneously managed changes to data and content regardless of the source (projects, maintenance, safety, etc.)

Benefits

- Increase visibility and control around changes to critical documents
- Improve capital project information handover through integrated asset information staging area
- Improve turnaround planning and decrease time to implement changes
- Reduce compliance risks by combining data and document change management into integrated staging and approval framework
- Simplify rules framework and exception handling around document reviews and validations

1.5% of revenue is typically lost because of poor asset information management

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Companies deal with massive amounts of enterprise information. Managing and capitalizing on this information is the key to simpler workflows, better decisions, more deeply engaged customers, employees, and partners, and faster results in a digital culture. OpenText offers the digital content platform to manage and deliver unstructured content to SAP's digital core, dynamically, in context and on any device. OpenText products enable Business Transformation.

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