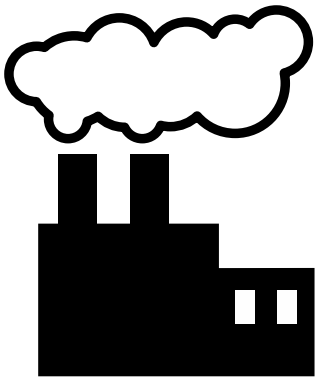
Optimizing Asset Value and Performance with Enterprise Content Management

Improving asset management with centralized information



Improving asset management with centralized information

When it comes to capital-intensive assets such as production plants and manufacturing facilities, you have much to gain by optimizing performance. To do this, you need to manage all the associated content – such as technical specifications, equipment manuals, maintenance records, service contracts, drawings, and more. But with content spread all over the enterprise, how can you succeed?

Traditionally most asset management processes focus on structured, transactional information. While this data is important, it's only part of the truth. Equally important is unstructured content – the kind not stored in a database.

With such content available, it's a lot easier to make informed decisions and take quick action regarding the assets that drive your business. Service technicians can stay busy, and your time-to-repair rates can plummet.

This reduces your management costs and increases asset value. And with a centralized approach for managing asset-related records, you can more readily comply with regulations in an affordable and controlled manner.

Enterprise Content Management (ECM) solutions by OpenText can help you meet these objectives. ECM for Enterprise Asset Management connects enterprise content with assets and increases collaboration and knowledge management – leading to higher asset efficiency and improved equipment reliability.

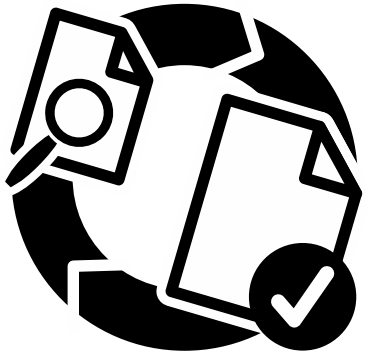
Connecting content to asset management processes

Optimizing asset maintenance

Internal and external collaboration

Secure Retention and Records Management

Archiving enterprise data and documents



Connecting content to asset management processes

ECM for Enterprise Asset Management makes access to asset-related content easier – which makes asset management more effective.

Integrated with SAP Business Suite applications, ECM for Enterprise Asset Management provides unified, 360-degree access to transactional and unstructured content in a choice of interfaces. Users have access via standard SAP interfaces, making it easier for them to access and use ECM functionality. You can also provide access to asset information via a web interface or mobile devices – thus including users in the overall process when relevant, without giving them unnecessary or inappropriate access to SAP enterprise applications.

Content is stored with an appropriate structure, and key asset data attributes are associated with the documents. This enables the user to navigate or search to readily find the content associated with a material, supplier, part, or equipment in SAP software.

You can also use the solution to support the scanning and digitization of paper documentation, reducing reliance on paper processes and lowering physical storage needs and costs. The solution also allows to create standardized documents in a controlled way based on SAP data and document templates.

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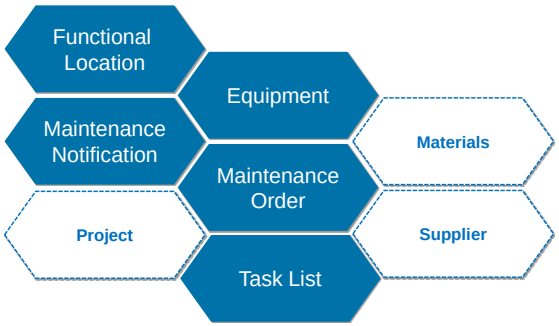

What good is an asset when it’s offline? ECM for Enterprise Asset Management helps you keep your assets up and running and delivering value as much as possible.

Asset maintenance activities are content dependent and, if not managed carefully, can bottleneck operations. ECM for Enterprise Asset Management empowers maintenance workers to find the information they need to sustain momentum during a shutdown.

Engineers and technicians can create, store and later retrieve data and documents from analysis, testing, and maintenance work. Maintenance planners can collect, organize, and securely store information in back-end SAP software, establishing a clear link to equipment, material, or work orders.

They can also more easily analyze information to determine what improvements need to occur to shorten the duration of outages and reduce downtime. The organization can reduce costs by optimizing the assembly and distribution of consolidated production and work order documentation when and where they are needed.

You can also leverage the solution to manage the lifecycle of items such as certificates and permits to maintain tight control of all assets. You can more easily retrieve documentation that tracks root cause analysis to identify patterns, predict potential future outcomes, and influence maintenance plans to reduce the number of environmental incidents and production upsets.

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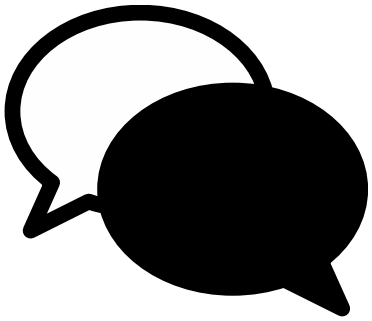

ECM for Enterprise Asset Management makes collaboration happen – internally and with your partners.

Business processes can run across departments, divisions, regions, and even among different organizations outside the physical boundaries of your facility. ECM for Enterprise Asset Management allows you to engage and collaborate with all of the appropriate stakeholders, both within and beyond the organization.

For internal projects, ECM for Enterprise Asset Management enables collaboration among team members with rich functionality that supports project-team workspaces, and collaborative approval workflows, tasks, and follow-ups.

For projects including external stakeholders, ECM for Enterprise Asset Management extends that functionality, allowing you to set up a secure extranet environment with workspaces in which to share documents including document control and document handover mechanisms.

Because the interface is Web based, all your partners need is an Internet connection, to be integrated into your processes. The solution also allows users to take content offline if temporarily disconnected from the network.

Secure Retention and Records Management

Just for the record, ECM for Enterprise Asset Management makes compliance easier.

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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, while government regulations require increased diligence, testing, and documentation. Keeping accurate corporate records is no longer optional, but you need the proper tools.

ECM for Enterprise Asset Management meets this challenge. It improves safety by integrating SAP asset data with equipment safety and handling information and it makes sure the most up-to-date documentation is used.

The solution provides in-depth records management functionality so you can fully document and manage the lifecycle of enterprise content. Records can be declared in accordance with legislative requirements. This approach demonstrates compliance and shows how your organization adheres to required records management practices including retention, change control, access, and ultimately destruction of content at the end of its lifecycle. The solution can be configured to classify documents automatically, thus supporting consistency and accuracy, and complies with the U.S. Department of Defense directive 5015.2 for records management.

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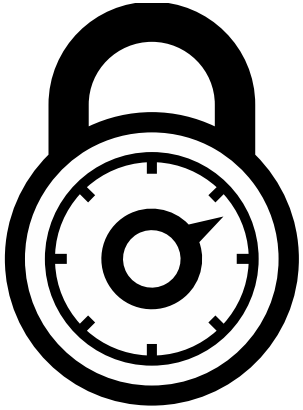


Archiving enterprise data and documents

Do you have too much content in your live production environment? Put it in easily accessible archives to reduce costs and improve performance.

IT departments constantly battle with the need for increased storage capacity to manage the huge volume of both structured and unstructured content generated by users on a daily basis. ECM for Enterprise Asset Management includes archiving functionality that allows the offloading of data and documents into an archive from within the software and from production SAP databases. This functionality significantly reduces content storage costs, database backup time, and the need for additional hardware, while improving production-system performance.

Archiving functionality also supports IT efforts by providing a means to archive data and documents before a software upgrade or migration. Archiving minimizes system downtime during the upgrade, minimizes the size of the upgraded database, and optimizes the performance of the upgraded system. ECM for Enterprise Asset Management is integrated with the SAP NetWeaver® Information Lifecycle Management component and is a preferred archiving solution to complement that data extraction method.

Toward a better asset management future

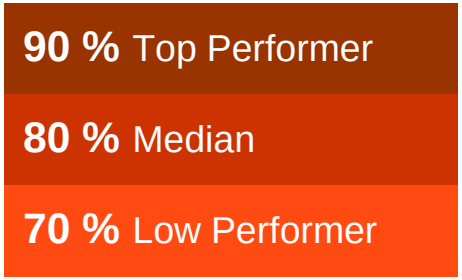
Toward a better asset management future

Better asset management processes mean greater asset value. That's what ECM for Enterprise Asset Management delivers.

Ultimately, ECM for Enterprise Asset Management helps improve efficiency and effectiveness related to your asset management processes. With centralized, easily accessible maintenance content, you'll boost productivity and improve operational control while increasing asset reliability and reducing outages. And with rich functionality such as automated document creation, project-team workspaces, activity feeds, forums, and collaborative approval workflows, you'll improve internal and external collaboration.

ECM for Enterprise Asset Management also helps reduce risk with in-depth records management functionality that supports the consistency and accuracy of information required for compliance purposes. The solution delivers significant benefits on the IT front as well. For example, it helps reduce total cost of ownership because it is powered by the SAP NetWeaver® technology platform and uses SAP user management tools to minimize administrative overhead. It also reduces IT operating costs through data archiving to compress content, eliminate duplicates, and therefore reduce storage costs.

"Best performers have a 3 times less non-productive asset life time"



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Summary
The ECM for Enterprise Asset Management solution by OpenText bridges the gap between SAP structured data and unstructured content for asset management processes. For capital-intensive industries, this contributes to improved productivity, reliability, compliance, and worker safety and reduces costs and environmental impact.

Objectives

- Optimize asset value and performance
- Increase access to information for improved equipment maintenance and reliability
- Adhere to government regulations for records management
- Automate or streamline document-related processes

Key Capabilities

- Easier access to asset management content via a choice of interfaces
- Collaboration tools for managing project teams, fostering knowledge sharing, and approval workflows
- Enterprise record management for accurate compliance
- Archiving tools to minimize demand on production environments

Benefits

- Increased maintenance productivity and improved operational control
- Improved asset reliability and reduced outages
- Better collaboration for asset management activities
- Reduced compliance risks
- Lower total cost of ownership and reduced IT operating costs

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www.opentext.com/sap