

EMC DOCUMENTUM ASSET OPERATIONS

Control Documentation and Automate Workflows for Plant Operations and Maintenance

ESSENTIALS

- Manage, control and ensure accessibility of as-built designs and documentation, standard operating procedures and training documents
- Automate and streamline change request and change notice processes and workflows
- Ensure compliance with health, safety, security and environmental requirements, and other government and industry regulations
- Reduce risk of unplanned downtime, cost overruns or catastrophic events by quickly accessing the most up-to-date asset information
- Optimize asset management processes and enhance productivity by integrating enterprise content management and maintenance systems
- Increase IT agility and performance with a cloud-based, fully managed service

Organizations in the energy industry face more pressure than ever to run large-scale operating assets efficiently and without interruption, while maximizing asset lifespan and meeting strict health, safety, security and environmental (HSSE) regulations.

The EMC® Documentum® Asset Operations solution, part of the EMC Documentum for Engineering, Plant, and Facilities Management (EPFM) solution suite, enables organizations to control asset-related documentation. Now, you can ensure efficiency and compliance with dynamically changing industry-specific regulatory standards. And you can avoid the potential fines, unplanned downtime and negative PR that result from compliance violations.

SINGLE SOURCE OF ASSET INFORMATION

Documentum Asset Operations is an enterprise-class solution that reduces the time and expertise required to find, share and transmit the most complete and up-to-date asset-related content. The solution integrates with key project and maintenance management systems to provide fast and secure access to all asset information, regardless of format: standard operating procedures (SOPs), technical documents, as-built specifications and drawings, project plans, spreadsheets, contracts, training documents, video and audio. No longer are these large volumes of information managed in a haphazard way, spread across disparate systems. Users can quickly find the latest version of documents using simple yet advanced search capabilities. With industry-standard reference model dictionaries and taxonomies, faceted navigation easily guides users to appropriate content.

SOPs are an especially good illustration. Documentum Asset Operations brings consistency to managing procedures from inception to issuance to archive. SOPs are managed in a centralized, unified and secure repository, ensuring that employees can find the latest issued procedures. Field personnel can quickly and easily access SOPs via secure sync and share and mobile clients, boosting productivity.

COMPLETE CONTROL OVER CHANGE REQUESTS AND NOTICES

Documentum Asset Operations automates workflows critical to plant operations and maintenance activities. The solution manages changes with workflows for review and approvals, version and change control to ensure inspection-readiness. Deploying preconfigured workflows, the solution automatically synchronizes the lifecycle state of change notices, SOPs and associated attachments with simultaneous effective and expiration dates to ensure compliance. When all maintenance and repair engineers as well as production and compliance managers have immediate access to accurate, up-to-date SOPs and as-built specifications, the potential for miscommunication, poor decisions or delayed response is significantly reduced.

RELIABLE REGULATORY COMPLIANCE

Incomplete, missing or inaccurate asset-related information can lead to delays and failures to comply with HSSE regulations or an inability to prove compliance during an audit or inspection. Documentum Asset Operations ensures reliable regulatory compliance through enhanced, automated management of asset-related documentation and workflows that automatically create a full audit trail from day-to-day document interactions. Simplify approval processes and ensure inspection-readiness with enforced review, approval with electronic signatures, and tracking and reporting status of “to be read and understood” actions.

SECURE, MOBILE ACCESS TO ASSET-RELATED INFORMATION

Integration with mobile devices enables field personnel and suppliers to easily access asset-related information, participate in workflows, approve with electronic signatures and securely share information while on the go. Shared project folders for easy and secure content distribution eliminate the need for overnight delivery, shared drives, and email. All content is protected with good policy controls and top-grade security practices.

Universal mobile access allows field engineers to seamlessly sync and access files and folders across computers, iPhones, iPads and Android devices. Folders can be set up to share with contractors, global offices and other third parties beyond the firewall for secure access to latest documents during ongoing operations, maintenance and decommissioning.

Extend the reach to mobile devices with secure collaboration of asset-related information, enabling field personnel and suppliers to submit change requests and act on information faster than ever before. For example, on-site field personnel can easily submit a technical/field query or incident report that automatically triggers a process to update or correct appropriate asset-related information.

CONFIGURATION BASED ON INDUSTRY BEST PRACTICES

Prebuilt tools and templates as part of Documentum Asset Operations get users up and running quickly, eliminating extensive custom programming and lengthy deployment schedules. When new regulations and requirements emerge relative to the operation of critical assets or cyber assets, administrators can easily make changes. Templates based on standards, such as ISO-9001 and PAS55, provide as-built document management that promotes company-wide adherence to best practices.

- Optimize management with domain-specific support for gas transmission, gas distribution and hydro-electric industries with dictionaries and taxonomies populated with industry metadata
- Automatically inherit metadata such as plant-specific data for projects, locations, equipment tags and file documents based on industry-standard reference models for improved information consistency and accuracy
- Tailor workflows to support multiple plant process and activities to meet changing business needs
- Personalized user interfaces and intuitive user experience speed adoption, reduce training costs and improve productivity; modular layouts create personalized workspaces to view asset-related information

FAST, RISK-FREE DEPLOYMENT AND LOWER TCO

For organizations seeking increased IT agility, out-of-the-box application availability and accelerated time to value, the EMC Documentum Asset Operations solution is available via EMC OnDemand as a fully managed service. Built, maintained and optimized by EMC experts, EMC OnDemand delivers optimal application performance while lowering TCO by as much as 30% to 60%.

EMC OnDemand also offers backup and disaster recovery; support for multiple environments, including development, test, sandbox and production; a highly automated provisioning and monitoring infrastructure; and best-in-class secure operations.

Additionally, EMC's industry consultants provide business analysis, configuration services, holistic training, end-user enablement and project services to further fast-track time to value.

SEAMLESS INTEGRATION WITH OTHER SYSTEMS

More than half of the leading energy companies worldwide rely on the industry-leading EMC Documentum platform. Documentum Asset Operations leverages the open architecture of the platform, delivering enterprise scalability and flexibility to meet unique company requirements.

- Integrate with and augment the functionality of key engineering, project management and maintenance management systems to decrease the costs, inefficiencies and potential errors resulting from content residing in multiple disconnected systems.
- Add geo-location context to asset-related information with integration to Geographic Information System including ESRI and Google maps.
- Use preconfigured templates and business rules to rapidly load large numbers of documents, specifications or as-built drawings from other applications or file systems.

GETTING STARTED

To find out more about the Documentum Asset Operations solution, please visit: <http://www.emc.com/DocumentumForEnergy>.

CONTACT US

The EMC Information Intelligence Group (IIG) transforms how organizations connect information with work. Whether on-premise or in the cloud, IIG technologies simplify the complexity of managing and protecting an organization's most valuable asset: information.

To learn more about the EMC Documentum for Engineering, Plant and Facilities Management solution suite, [contact](#) your local representative or authorized reseller—or visit us at www.EMC.com.

EMC², EMC, the EMC logo, and Documentum are registered trademarks or trademarks of EMC Corporation in the United States and other countries. VMware and RSA are registered trademarks or trademarks of VMware, Inc., and RSA, Inc., respectively in the United States and other jurisdictions. © Copyright 2013 EMC Corporation. All rights reserved. Published in the USA. <06/13> Solution Overview H11787

EMC believes the information in this document is accurate as of its publication date. The information is subject to change without notice.

www.EMC.com

