

Cradle-to-Grave Asset Lifecycle Management

An asset integrity management system (AIMS) is essential for companies focused on proactive asset lifecycle management. An AIMS will help you identify mechanical or asset integrity issues and reduce time spent inspecting and maintaining equipment or components. Choosing the right AIMS for your facility will help you to improve asset reliability, reduce the risk of equipment failure, and optimize maintenance activities.

The advanced functionality and analysis available in the desktop application, PlantManager 5.0, is integrated into the new cloud-native PlantManager 6.0 platform. Equity Software has combined our mechanical engineering expertise with strong design competencies into an accurate, integrated, and secure asset integrity management program.

PlantManager® 6.0 will give you the confidence to solve industry specific challenges and turn inputs into insights.

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INSPECTION

- Perform better inspections and confidently inspect for the right damage.
- Access the complete asset picture for efficient inspection planning of an asset's most critical components.
- Easily monitor and manage existing damage and proactively observe and mitigate potential damage.
- Develop fit-for-purpose inspection plans to reduce costs and minimize maintenance time.

ASSET MANAGEMENT

- Facilitate and monitor inspection activities to ensure timely delivery and appropriate escalation of issues.
- Reduce overall inspections and save on inspection costs.
- Monitor and receive alerts for bad actors found in components or assets in one concise view.
- Manage all asset hierarchy to maintain jurisdictional compliance.
- Perform fitness-for-service (FFS) assessments with the fully integrated API 579-1/ASME FFS-1 calculator.

MAINTENANCE & RELIABILITY

- Develop prescriptive maintenance strategies and schedules with the fully integrated RBI API 581 calculator.
- Manage asset hierarchy and synchronize with external systems.
- Perform re-rating with fully embedded SAGE calculator including vessel, piping, tankage, and spheres constructed to ASME and API codes and standards.
- Access the most comprehensive collection of material codes and specifications.

OPERATIONS

- Minimize errors and compliance issues with all documentation available in one location.
- Fast and easy implementation across organization.
- Improve facility-wide communication, data analysis, inspection planning, and maintenance strategies.
- Utilize scalable licensing options to easily add new modules as project or facility-specific needs evolve.

PlantManager 6.0 is a **flexible and scalable** cloud-native platform that leverages the power of Equity's suite of analytical tools to **deliver insight** into all aspects of an asset's lifecycle.

BENEFITS



Quickly identify integrity issues



Reduce time spent maintaining all equipment or components



Eliminate duplicate or multiple software packages



Combine advanced analysis with comprehensive RBI, design and re-rating, and integrated fitness-for-service tools



Inspection Planning & Management: PlantManager ASSET™

PlantManager ASSET™ is the planning and inspection lifecycle operations technology that is disrupting the traditional AIMS space. PlantManager ASSET provides end-to-end asset lifecycle management capabilities by managing inspection activities, recording damage management locations (DMLs), and calculating fully quantitative API 581 risk assessments for inspection optimization.

FEATURES AND FUNCTIONALITY



ASSET MANAGEMENT

- Manage the complete asset hierarchy
- Support code and design calculations
- Easily access mechanical integrity documents and asset records



DATA & DOCUMENT MANAGEMENT

- Catalog multiple types of inspection data
- Apply industry standard and proprietary analysis methods
- Monitor remaining life of integrity critical assets
- Catalog inspection documents, design and engineering documentation, pictures, and CAD files



PLANNING & SCHEDULING

- Configurable inspection scheduling across all support assets



REPORTING & ACTIVITY MANAGEMENT

- Customizable inspection checklist
- Facilitate and monitor inspection activities for equipment and components
- Implement appropriate maintenance and issue escalation strategies



FINDING & CONSIDERATION MANAGEMENT

- Catalog integrity and reliability concerns
- Achieve long-term transparency

PlantManager 6.0 uniquely offers both inspection planning and management tools and advanced engineering analysis calculators to give you the ability to conduct comprehensive analyses of an asset's integrity and performance. As a cloud-native platform, PlantManager 6.0 delivers customizable, flexible, and scalable solutions to meet the dynamic needs of you and your facility.

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[FOR A DEMO OF THE NEW CAPABILITIES](#)

Advanced Engineering Analysis: PlantManager SAGE

PlantManager SAGE® is a collection of mechanical engineering modules for conducting comprehensive evaluation and analysis of the design, condition, and compliance of new and in-service equipment.

This cloud-native software incorporates the latest API 579-1/ASME FFS-1 standards to deliver new and alternative analytical procedures to facilitate fitness-for-service (FFS) analysis and remaining life assessment of in-service equipment. PlantManager SAGE leverages SagePlus® calculators behind the scenes to deliver accurate FFS assessment results quickly and easily. Additional PlantManager SAGE functionality will be available soon.