What's new in HxGN EAM version 12.0.1

Key Benefits

HxGN EAM 12.0.1 has plenty of new features and industry specific capabilities, as well as customer-led enhancements to existing EAM capabilities on desktop and mobile. Customers can anticipate the release of the Python Framework, updates to root cause analysis and improvements to HxGN EAM Digital Work.

A big advancement with HxGN EAM 12.0.1 is the release of the Python Framework, a new extension of HxGN EAM for creating and executing Python scripts. This groundbreaking module brings Python scripting functionality to every stage in the asset lifecycle. Python is the world's fastest-growing programming language for machine learning and and the standard for data science. To view the complete list of changes in the 12.0.1 release, please read the **12.0.1 Release Notes** and **12.0.1 Mobile Release Notes**.

Root Cause Analysis
Integrated Fishbone Diagram for Brainstorming, Create "Deep Dive" for critical events

Python Framework
New extension of HxGN EAM for creating and executing Python scripts

HxGN SDx Info Map
Jump from a Position record in EAM to Tag in HxGN SDX

Release Highlights
New charts and graphs, Integration Configuration, ArcGIS update, and more

Digital Work
Support for default values, Upload controls, Improved lookups, Proof of Delivery, Additional Screens / Tabs

Mobile Deep Link
Support for accessing Work Order data before losing connection

Transit Updates
Enhanced User Interface, Additional Mobile Work Orders screen, Additional new features

Voice of Customer
Customer suggested product improvements, and enhancements requests

Key features and functionality included in HxGN EAM 12.0.1

Root Cause Analysis

The Root Cause Analysis functionality has been updated to include a built-in Fishbone diagram for the diagnoses of failure events, built-out RCA severity levels with Deep Dive capability, and the creation of specific tasks for Root Cause Analysis-related activities.

What's the value?

This update brings to the user undeniable organizational value. With this update, organizations can expect:
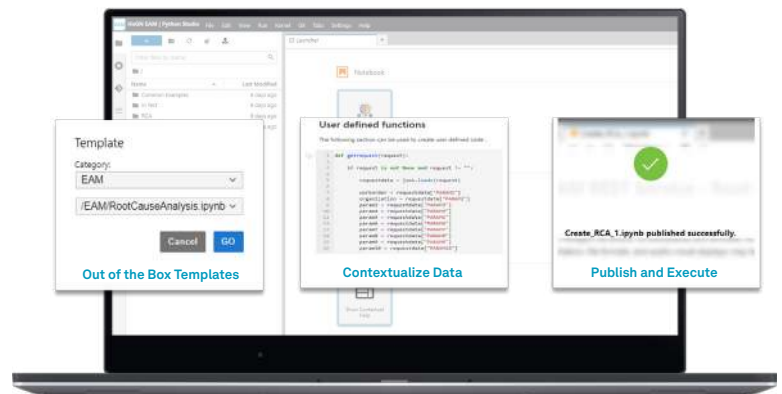
- **Increased Uptime:** Protect your organization's most valuable, mission-critical assets

- **Risk Reduction:** Record safety events for evaluation

- **Standardized Policies:** Implement repeatable and automated processes

- **Continuous Improvement:** Adjust operations from investigation results

Python Framework

We are excited to announce the new addition of the Python Framework to HxGN EAM Tech Studio. Tech Studio is a commercial product built to package together cutting-edge and innovative new features. This update is available for all cloud customers.

This new release includes the following robust features:

- Brand new user interface providing a streamlined and intuitive platform for writing, managing, and executing Python scripts

- Powerful infrastructure for script execution and publishing, ensuring seamless performance across various platforms. Execute your scripts confidently knowing that they will run smoothly and consistently. Additionally, our updated publishing capabilities make it easier to share work with others, enabling collaboration and knowledge sharing.

- Twenty out-of-the-box script templates. These templates cover a wide range of applications, from data analysis to automation. By starting with a pre-designed template, you can save valuable time and effort, accelerating your progress and unleashing your creativity.
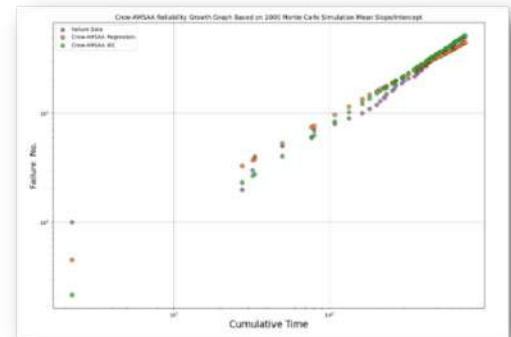
What's the value?

- It unlocks advanced Asset Performance Management capability. Monitor, analyze and optimize your assets like never before. With our toolkit, you'll have the tools to extract valuable insights from your assets and drive efficiency.

- It serves as a solid building block for machine learning. Seamlessly integrate Python scripts into your machine learning workflows and leverage the vast array of libraries and tools in the Python ecosystem to drive innovation.

- The technical barrier of entry has been lowered. Technology should be accessible to everyone. Our intuitive user interface and comprehensive script templates make it easier for beginners to seasoned programmers to get started with Python scripting. No matter your skill level, you can now leverage the power of Python without the steep learning curve.

Use cases and business value of the Python Framework

Asset Performance Management

Asset Performance Management (APM) has various potential use cases, including predictive maintenance using AI/ML, Monte Carlo simulation and condition monitoring. With predictive maintenance, APM leverages AI and machine learning algorithms to anticipate and prevent asset failures, minimizing downtime and optimizing maintenance resources. Monte Carlo simulation allows organizations to assess different scenarios and their impact on asset performance, aiding in decision-making and risk evaluation. Condition monitoring through APM enables real-time detection of asset deterioration or malfunctions, facilitating timely interventions to ensure optimal performance and longevity.

Task automation

Task automation offers numerous potential use cases, such as collecting public data, sending calculated notifications and transforming data. With automation, organizations can streamline the process of gathering public data from various sources, saving time and effort. Calculated notifications can be automated based on predefined rules or triggers, allowing for timely communication and alerts. Additionally, automation enables the transformation of raw data into desired formats or structures, reducing manual intervention and increasing data processing efficiency. By leveraging task automation, organizations can enhance productivity, improve data accuracy and focus on higher-value activities.

Reporting and visualization

Metadata analysis is a powerful application of reporting and visualization tools that allows organizations to gain insights from the underlying information about their data. By analyzing metadata, such as data source, format and quality, businesses can identify patterns, anomalies and relationships that provide valuable context to their datasets. Interactive HTML reports enhance this process by providing dynamic visualizations and intuitive interfaces, allowing users to explore metadata information effortlessly. Additionally, data calculations enable organizations to perform complex computations and derive meaningful metrics, enabling informed decision-making based on accurate and relevant data.

HxGN SDx Info Map

Seamlessly retrieve engineering docs, laser scans, and data from other systems. This marks HxGN EAM's first steps toward a Single Pane of Glass experience, consolidating data and functionality for streamlined operations and improved decision-making. Say goodbye to system-switching hassles and welcome a cohesive view of your enterprise. Elevate asset management with integrated access to critical information. Upgrade now and unlock the future of efficiency.

Release Highlights

The HxGN EAM 12.0.1 release also includes other unique functionality that deserves highlighting, including the following:

New Reporting Visualizations

Sixty-two new visualization options available through Advanced Reporting for use with custom reports.

Drag and Drop Document Upload

The system now features a convenient 'drag & drop' functionality for document upload, along with a new toolbar button to directly access the Create/Upload Document pop-up.

Integration Configuration

Generate multiple API Keys for Inbound integration authentication into HxGN EAM.

Esri ArcGIS Online Support

Support for creating and synchronizing EAM equipment records with GIS features hosted in ArcGIS Online was added in EAM 12.0.1. Extending this support to visualization of these synchronized equipment records (i.e., GIS Map Search screen; EAM mobile applications) is planned for a future release.

SSO Configuration Screen

Ability to authenticate with IDP directly from HxGN EAM. Tenant must be hosted on Hexagon Cloud upload IDP configuration file.

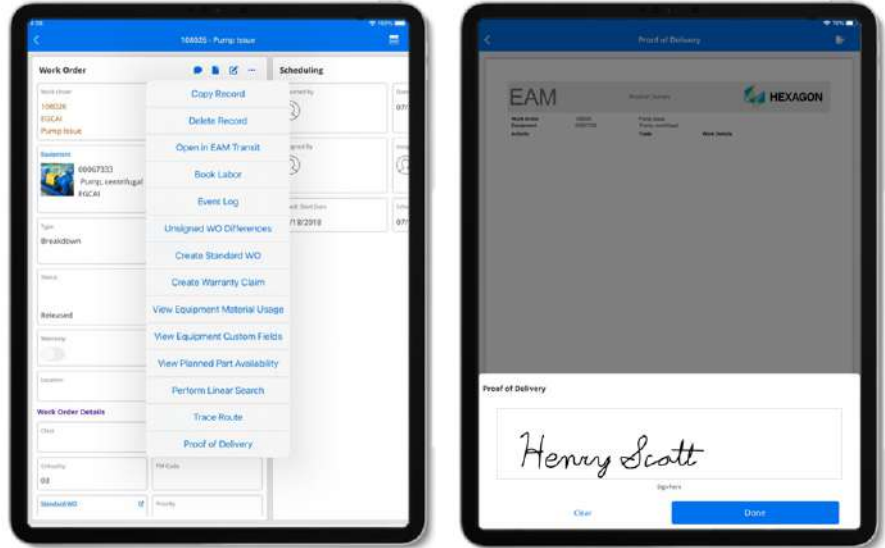Included with base EAM at no additional cost.

HxGN EAM Digital Work

The latest updates to HxGN EAM Mobile bring a range of exciting features and functionalities to enhance the overall user experience. With HxGN EAM Advanced Mobile, users can now enjoy extended screens, tabs, and actions, providing them with greater flexibility and control over their EAM Desktop User interface. This extension empowers users to seamlessly navigate through the system and access crucial information while on the go. For technicians and operators, HxGN EAM Field Work offers similar functionality to EAM Transit but with connectivity to allow data to sync with base EAM in real time. It equips them with the tools necessary to efficiently perform their tasks in the field, ensuring streamlined operations and optimized asset management. Furthermore, HxGN EAM Mobile Requestor presents a mobile version of the EAM Requestor user, enabling quick and limited access to essential functions. This user-friendly interface allows users to effortlessly make requests and access necessary information without the need for extensive navigation. With these updates, HxGN EAM Digital Work continues to deliver innovative solutions that enhance productivity, collaboration, and accessibility for users across various roles and responsibilities.

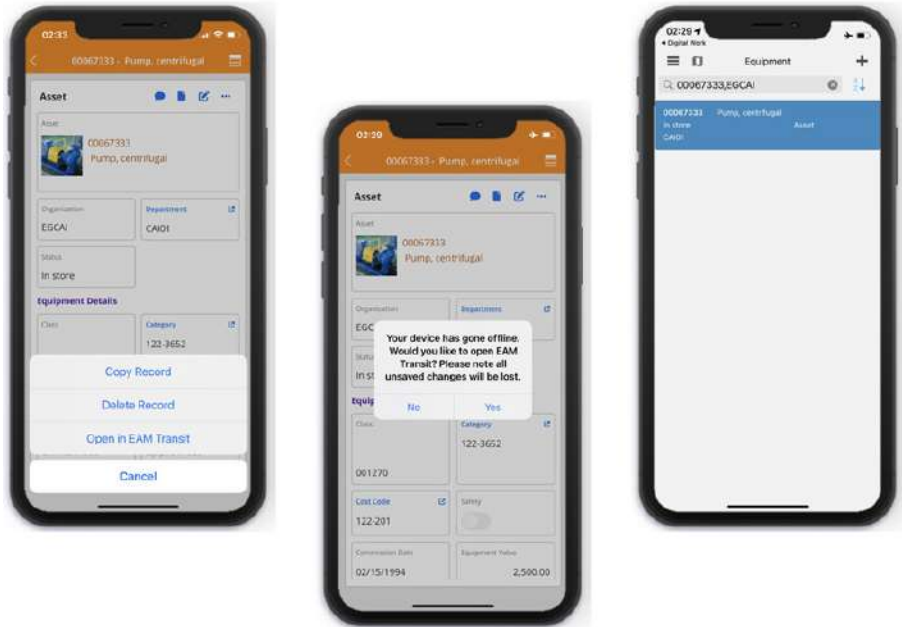# Updates with HxGN EAM Digital Work

Proof of Delivery sign off

Action item added to Work Order record view to allow users to run a Proof of Delivery Report with a pop-up signature box.

Deep linking with EAM mobile

Seamlessly navigate between both of HxGN EAM's mobile applications. Prompted to switch to EAM Transit when connection is lost.

New screens (Advanced Mobile)

Additional screens and tabs made available to Advanced Mobile and Field Work users.

- Equipment Generation
- Equipment Class Definitions
- Performance Formulas
- Adjustments
- Workspace Moves
- Packages
- Closing Codes
- Depot
- Key Management

New tabs (Field Work) and action items

- Work Orders, Closing
- Equipment, Meter Readings
- Equipment, Service Delivery Matrix, Import Matrix
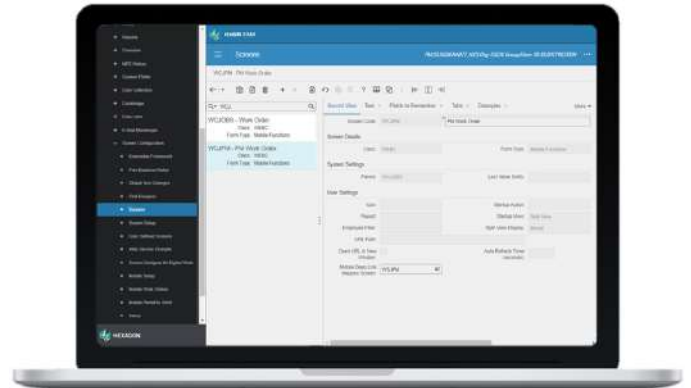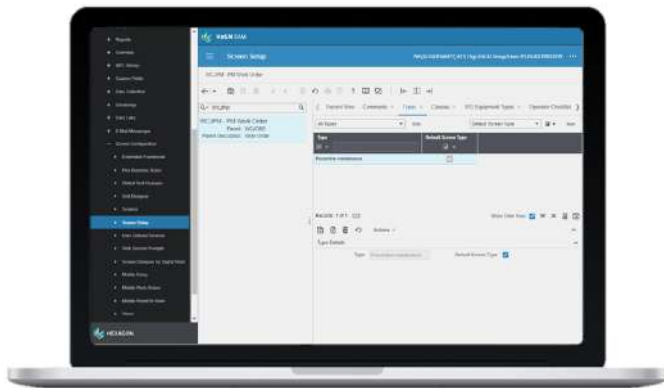- PO Receipt, Active Lines, Print Label(s)

Enhancements

Support for setting default values, ability to control document upload methods, expanded hyperlink capability, increased checklist description to 255 characters, and new Dual Quantitative checklist type.

Additional Mobile Updates

Clone Work Order Screens

Introducing another highly valuable feature that enables users to have multiple Work Order screens with distinct functionalities. This functionality is achieved by configuring cloned screens using the Screen Setup in EAM. The significance of this update lies in its ability to cater to the diverse requirements of operators. Depending on the specific type of Work Order being performed, operators can now easily view and access different Work Order layouts.

This flexibility empowers operators to streamline their workflow and improve efficiency by having tailored screens that align with the tasks at hand. With this update, HxGN EAM Mobile ensures that operators have a seamless and customized experience, enhancing their ability to effectively manage and execute various Work Orders.

HxGN EAM 12.0.1 brings an impressive array of new features and specialized capabilities tailored to different industries and organization sizes. Incorporating customer-led enhancements on both desktop and mobile platforms ensures a greater user experience - which is one of our top priorities.

Are you ready to embrace the future of asset management with HxGN EAM 12.0.1?

Contact us to learn how to unlock the full potential of your operations today.

About Hexagon

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Hexagon's Asset Lifecycle Intelligence division helps clients design, construct, and operate more profitable, safe, and sustainable industrial facilities. We empower customers to unlock data, accelerate industrial project modernization and digital maturity, increase productivity, and move the sustainability needle.

Our technologies help produce actionable insights that enable better decision-making and intelligence across the asset lifecycle of industrial projects, leading to improvements in safety, quality, efficiency, and productivity, which contribute to Economic and Environmental Sustainability.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.5bn USD. Learn more at hexagon.com and follow us @HexagonAB.