HEXAGON

HxGN EAM for Food and Beverage

Achieve consistent quality

Food and beverage companies routinely deal with challenges that, at first, might appear beyond your control. They range from volatile commodity prices, retailer price pressures and tighter regulations to changing consumer tastes and increasing demands for more product information, sustainable ingredients and the need to minimize waste. You can reduce the impact of many of these challenges by how you manage business assets.

Ensure safety and reliability

With HxGN EAM for Food and Beverage, you can create an advanced asset management system specific to your business. You choose from an array of best-in-class asset management modules, unique features for improving operations and performance, the ability to scale asset performance management efficiencies and advanced modules to ensure the best possible fit for your needs. EAM for Food and Beverage gives you tools for:

- **Regulatory compliance –** Using compliance tracking, trending reports and asset tracking, you can keep your organization audit-ready for inquiries from regulators, such as the FDA, EPA and OSHA.
- **Equipment management —** You can manage risk, warranties and change notices. Plus, you can monitor asset performance, initiate preventive maintenance measures, and easily collect data on your assets, including pumps, heaters and filling lines.
- **Change notice management —** You'll be able to replace faulty or out-of-date assets quickly and easily following change notices that affect your equipment.

HxGN EAM Named a Leader in the Enterprise Asset Management Market by Independent Research Firm

HxGN EAM from Hexagon's Asset Lifecycle Intelligence division was named a leader in the enterprise asset management (EAM) market in the Green Quadrant: Enterprise Asset Management Software 2022 report from Verdantix, an independent research and advisory firm.

HxGN EAM received the highest weighted score for the technical capabilities of the platform. The report assessed 14 EAM software vendors across their product functionality, user interface and market momentum. HxGN EAM solution portfolio leads the "Capabilities" axis of Industry Research Firm Verdantix's Green Quadrant EAM Software for 2022.

HxGN EAM for Food and Beverage is the most configurable enterprise-grade asset management solution on the market.

- **Multi-organization capabilities —** Help your company incorporate assets into a management solution, while maintaining autonomy among different maintenance groups. For example, safety personnel can use the solution to issue work orders for noise suppression on production assets, while facilities managers can use it to service HVAC systems and automatic doors. The maintenance teams can control purchase orders, evaluate vendors, and manage purchasing contracts, resulting in a more efficient and cost-effective operation. HxGN EAMs' flexibility and configuration allow for integration into various ERP systems supporting full-scale visibility into supply chain planning and procurement needs. Providing the right level of visibility into critical data, while making the system intuitive for each end user.
- **EAM Digital Work —** HxGN EAM Digital Work extends the value of HxGN EAM for Food and Beverage to field service workers, as well as to the managers, clerks, and schedulers who are connected directly to the solution. They'll be able to access the solution on any mobile device, including an Apple iPad® or smartphone, to speed up service. Personnel can move from room to room or site to site and still access and record maintenance information, conduct inspections, and track inventory, ensuring work data is captured accurately and in a timely manner.
- **Energy efficiency —** You can continually monitor energy consumption at the asset level and alert your workforce of performance issues that need resolution in a timely manner. By combining the consumption of energy and other natural resources with additional asset performance parameters, HxGN EAM for Food and Beverage gives you a more complete picture of each asset's performance and its impact on your business.
- **Resource sustainability —** HxGN EAM can help you track and control your use of resources like water, electricity, steam, gas and heat to help meet your sustainability goals. Its reporting features can also help you document regulatory compliance.
- **Production management —** With the planning, scheduling and uptime optimization made possible with HxGN EAM for Food and Beverage, you can expect to see increased overall equipment effectiveness (OEE) percentages. By having a system that provides real-time demand-to-fulfillment visibility, you can keep you equipment busy at higher rates — often exceeding the traditional 80% production and asset utilization — with the same capital investment.

Establish Asset Reliability

Now more than ever, organizations that are looking to reach predictive maintenance with their assets for whom reliability is a key concern, understand that reactive maintenance management is no longer enough. HxGn EAM for Food and Beverage brings about greater asset reliability through predictive maintenance with asset performance management.

- **Built-in performance monitoring —** With our built-in performance monitoring and reactive, preventative, predictive and other sophisticated maintenance capabilities, you can monitor the condition of assets, detect potential problems and prevent disruptions with maintenance alerts. These are just a few capabilities that APM introduces to your asset management strategies.
- **Full asset lifecycle support —** APM-enabled asset management supports the full asset lifecycle, allowing for ongoing optimization of efficiencies for your businesses' critical assets. This approach will allow you to realize the full potential of mission critical equipment, increasing asset utilization, improving capital allocation and enabling productivity, efficiency, quality and sustainability centered initiatives. APM proactively drives actions based on predefined rules by collecting and analyzing real-time information from your supervisory control and data acquisition (SCADA) framework.
- **Better manage your aging assets —** Better manage your aging assets, meet regulatory requirements and control costs as you combine these capabilities with best-in-class scheduling and event-based maintenance functionality. Monitor the consumption of commodities and analyze real-time equipment data to help fix assets faster. In addition, you can monitor asset performance, initiate preventive maintenance measures, easily collect data on your assets, including pumps, heaters and filling lines, and leverage that data to make more informed investment decisions.

Stay Flexible

HxGN EAM for Food and Beverage is a web-architected system, which means you can access its functions through a standard Internet browser, anywhere and anytime. It's also available as a hosted solution and can be deployed in a software as a service (SaaS) model, allowing you to reduce your total cost of ownership significantly and manage your cash flow more effectively. The mobile modules also allow your staff to perform work in real time, substantially reducing effort and hours and leading to higher levels of staff satisfaction, or they can perform work in a disconnected mode and synch data updates later, once they are reconnected.

With HxGN EAM for Food and Beverage, you get important features like:

- **Prepopulated lists —** Get started quickly with prepopulated lists specific to your food and beverage operation.
  Incident tracking — Track and trend incidents involving employees, visitors and property.

- **Inspection management —** Document and initiate inspection procedures based on time, performance, or previous work. Perform group inspections through the campaign feature for recalls, safety alerts, zone maintenance and building maintenance programs (BMP).
- **Failure mode and effects analysis (FMEA) —** Perform FMEA for work orders using preloaded lists of closing codes.
- **Preconfigured, pre-set filters tailored to the food and beverage environment —** Get easy access to all the information that matters with one click. View the maintenance state for certain types of equipment, without needing to compile a special report.
- **Asset tracking —** Keep asset information in one database for easy retrieval about activities and movements. You'll know that information on highly mobile equipment is always up to date.
- **Barcoding and data collection —** Record and track equipment with barcoding technology for more accurate, efficient and effective deployment. Use barcodes to accurately locate mobile equipment.

- **Equipment calibration —** Keep equipment in the safest condition. If temperature-sensitive equipment loses calibration, technicians can trace back to the point of failure, preventing critical problems.
- **Key Performance Indicators (KPIs) —** Monitor equipment with real-time, dashboard-like gauges for a precise snapshot of maintenance team and equipment performance. Quickly identify problem and improve utilization. Set KPIs to monitor critical compliance issues.
- **Outsourced maintenance services —** Record maintenance activities, compile histories and create invoices for engineering and maintenance department services performed for other

organizations. Define internal employees in the employee section with predefined types and trades.
- **Warranty management —** Cut costs with warranty management for both meter- and date-based warranties and automatic notifications on work orders with potential warranty claims.
- **Emissions compliance —** Capture and document your carbon footprint. Enforce stringent work management processes for handling hazardous materials and fugitive emissions.

Check the results

With HxGN EAM for Food and Beverage, you get the asset management functions you need to improve performance, increase savings, comply with regulations and deliver quality products — all with a very low total cost of ownership and a rapid ROI. You'll get a full array of compliance tools developed specifically for the food and beverage industry, so you'll be better able to manage numerous, and at times conflicting, regulatory compliance standards. HxGN EAM for Food and Beverage also gives you prepopulated lists and preinstalled KPIs, as well as reports specific to the food and beverage industry, minimizing the time you need to set up the system.

- Optimize resource and skill availability
- Reduce the cost of compliance
- Improve asset management to increase operational efficiency
- Uncover hidden profit potential to enhance your bottom-line performance
- Produce high-quality products
- Manage energy efficiency
- Avoid costly fines and plant closings associated with compliance problems

To learn more, visit **eam.hexagon.com**

Increase efficiency

The history of HxGN EAM reveals that customers can gain:

- **Up to 50% reduction in maintenance overtime, labor, and contractor costs**
- **20% reduction in maintenance material costs**
- **20% reduction in production downtime**
- **20% or more in energy reductions**
- **5% reduction in new equipment costs**
- **10% increase in fleet obtainability**
- **50% increase in warranty cost recovery**
- **50% reduction in purchasing process costs**

About Hexagon

Hexagon is a 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.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

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 23,000 employees in 50 countries and net sales of approximately 4.6bn USD. Learn more at hexagon.com and follow us @HexagonAB.