BROCHURE

Octave Attune EAM is made for manufacturers

Industry-leading asset management software to extend asset lifecycles and improve productivity

Manufacturers face economic uncertainty, an ongoing shortage of skilled labor, targeted supply chain disruptions and new pressures to innovate while meeting company-set net-zero emissions goals. Technology is positioned to play a significant role in supporting manufacturers during these challenges. With a persistent search for efficiency and focus on building resilience across an organization, many manufacturers remain committed to their digital transformation objectives, even as some weigh pausing investments in a volatile market.

Numerous organizations will optimize their technology stack in the upcoming years, with many adopting cloud-based solutions to facilitate seamless operations, improve production line efficiency and increase throughput.



Asset management for manufacturing

Octave Attune EAM (formerly HxGN EAM) provides a robust digital foundation that allows manufacturers to store and view historical data, increasing strategic insight into deploying the correct maintenance tactic at the right time, reducing downtime and improving profitability. In combination with reliability maintenance, Attune EAM supports the industry in addressing issues related to asset downtime and lowering overall expenses. As a result, processes are optimized, improving profitability and growth and contributing to a safer and more productive manufacturing environment.

Attune EAM's capabilities meet the demands of the manufacturing industry's challenges, including inventory optimization, increased uptime and elimination of manufacturing defects. They provide a sturdy pathway toward digital transformation. EAM empowers manufacturers to leverage data and digital tools, ensuring a stronger, more resilient future for the industry.

Benefits

What manufacturing customers have seen with Attune EAM:

Improved asset uptime from **60%** to more than **95%**

Reduced inventory costs by **45%**

Improved effective labor utilization by **70%**

Targeting **80%** scheduled work vs. break-in work

Real-time reporting to support predictive maintenance plans

"Attune EAM helps us monitor and oversee the deployment, performance and upkeep of more than 15,000 fixed and dynamic assets. This best-in-class solution has been instrumental in helping us prevent unforeseen operational issues, increase asset uptime and lower our overall expenses."

Nitin Patil
Nitin Patil
General manager of manufacturing at Godrej Precision Engineering and global process owner of maintenance

Access powerful tools with Attune EAM for manufacturing

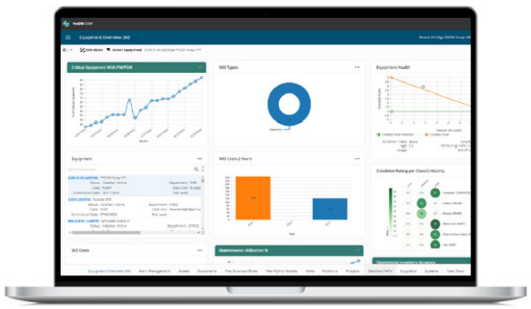
Asset management — Record, maintain, structure and standardize asset information. Capture the identity, configuration and structure of physical assets, their complete technical and commercial configurations and current position (either by location, functional position or tag), as well as prior locations and maintenance history.

- **Includes:** Asset depreciation, structure and bill of materials, descriptive history and total cost of ownership information, warranties and claims, dashboards and linear assets, linear references, failure analysis and documents providing full visibility along the asset's lifecycle.

Work management — Manage, plan, monitor and approve work, as well as the necessary resources to complete that work. Create standard, regular and corrective work, project work, periodic and non-periodic maintenance, and inspection follow-up work orders and schedules. Define work information such as supervisors, permits, qualifications, employees, shifts, tools and dynamic checklists.

- **Includes:** Work order generation and scheduling; work organization, scheduling and completion; human resources management, periodic and non-periodic maintenance; call center and service request portal; deferred maintenance (crews, routes, multi-asset work orders, maintenance patterns and campaigns, reliability, revision control, case management and reservations calendar).

Materials management — Determine the correct stock levels to provide an acceptable level of service for parts and supplies to meet anticipated demands for maintenance. Minimize the working capital invested in stocked parts and supplies. Automatically generate requisitions and purchase



orders based on low stock levels, purchase requisitioning, goods receipts and returns, parts repair and record keeping.

- **Includes:** Materials organization, stock replenishment, store issues and returns (recording stock-take, goods receipt and return, purchase order tracking), repairable spares, material analysis, parts condition, inspections, failures and warranties, and product category management.

Asset management services — Track all costs incurred for services delivered to customers, including work order costs, costs for fuel consumption, equipment usage, rent or lease and utility charges. Automatically include costs on periodically generated invoices.

- **Includes:** Customer contracts, reservations, contract templates, adjustments, customers and customer invoices.

Asset reliability — Utilize a framework that enables your administrators to make use of physical assets to realize business-specific goals. You can employ multiple asset performance management strategies to maximize profit and reduce business risk factors.

- **Includes:** Decay curve, asset performance score, service life, risk rating, criticality rating, condition rating and reliability.

Procurement management — Manage every aspect of the purchasing cycle from requisition creation, approvals, supplier selection, purchase order placement and goods receipt through to invoice matching. Ensure a selection of qualified suppliers and obtain the best price and delivery terms.

- **Includes:** Purchase requisition generation, requests for quotations, purchase orders, invoice vouchers, contracts and receipts.

Project management — Convert those capital planning requests into projects to tackle from initial budget and timescale planning to completion of the final work. Compare the actual status and progress of work, resource usage and costs against a project plan.

- **Includes:** Project planning and organization; project budgeting, scheduling and execution, and Microsoft Project Interface.

Alert management — Automatically monitor Attune EAM's database for specific data and send emails or create work orders based on the analysis of that data. Alerts run at a predefined frequency, so they're ideal for anything that doesn't need immediate action.

Budget management — Automate the budget creation process and the subsequent capture, supervision, control and analysis of expenditures associated with maintenance work. Calculate various financial and performance indicators that serve as input to critical enterprise performance measures.

- **Includes:** Budget organization, expenditure and position identification, capital planning requests and general (GL) accounts.

Calibration — Track calibration data for equipment categories, assets, systems and positions. Define test-point data and associate test-point sets with work orders and preventive maintenance work orders. This can be done through mobile and desktop.

Electronic records and signatures — Create electronic records (snapshots) of events that occur in the database that require signatures. Through version control and audit capability, you can track insertions, updates or deletions of every attribute for almost every table in Attune EAM, as well as all comments per entity.

Energy performance — Set baselines, monitor and compare the energy performance of your assets against standards, such as Energy Star, ASHRAE 90.1, LEED and ISO 14001. Collect utility bills to monitor anomalies.

Fleet management — Process warranty claims, manage tires and fuel, and improve vehicle performance through preventive maintenance that increases productivity and cost-per-mile savings. With the Vehicle Maintenance Reporting System (VMRS), all code key values are included in the Attune EAM database.

Inspection management — Simplify the formation of inspection routes, specific measurement points on each asset, aspects to be measured and the collation of results. Link with asset management and work management modules for the listing and creation of work orders.

- **Includes:** Inspection planning and organization, inspection point scheduling, classification and results, and checklists.



Intelligent nonconformity tracking — Quickly identify potential issues that can be tracked and assessed automatically with your maintenance schedules over time. Assign a level of severity or risk based on a preset nonconformity index.

- **Includes:** Incident management of an event such as an accident, creating detailed documentation (search by severity, intensity and importance).

Reliability, planning and analysis (RPA) — Create reliability rankings with associated reliability decision trees, which are used as input on user-defined formulas that yield a numerical value. Create condition-score calculations, condition-decay protocols and riskand criticality calculations. Determine the reliability ranking score associated with a reliability ranking index. In addition, use Weibull, LaPlace and Crow-AMSAA formulas to predict potential failures.

- **Includes:** Auditing of an event, such as an accident and creating detailed documentation (search by severity, intensity, size and importance).

Reports — Utilize more than 250 pre-built reports that support every module within Attune EAM, from administration and assets to budgeting and inspections.

- **Includes:** Work order reporting, assets inventory list, equipment details, mean time between failures, work order cost per equipment, estimated versus actual labor hours, purchasing reports and inventory reports.

Safety management — Identify and control all hazardous situations, materials and activities to protect people and the environment. Comply with health, safety and environmental (HSE) regulations.

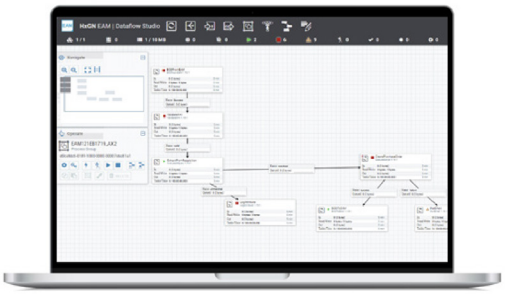
- **Includes:** Hazards, precautions, safety, isolation points, lock out/tag out, lockout boxes, permit to work setup, permit to work and sign-offs.

Workflow approvals — Provides an embedded visual workflow approval capability that helps manage work orders, case management, requisitions and purchase orders. With this module, administrators can create an approval workflow setup record that systematically routes records within Attune EAM to specific users or groups for review.

Advanced add-on modules

Advanced reporting author — Maximize the data gathered by Attune EAM into real-time reporting. Users can choose from hundreds of predefined reports or easily build their own custom versions to further analyze the data.

Octave Databridge Pro (formerly Databridge Pro) — Powered by Apache NiFi, a leading open-source data flow automation platform, Databridge Pro provides enhanced data integration capabilities by introducing new features for configuring data pipelines, managing endpoint connections and providing better visibility for efficient troubleshooting and debugging. Available for Attune EAM SaaS customers.



Requester — Easily support an increase in the number of users submitting work requests, equipment reservations and purchase requests, without significantly increasing your financial investment. The contractor portal is also available for mobile and desktop use.

Tech studio — Streamline and simplify the decision making processes of Asset Investment Planning (AIP) supported through Attune EAM Constraint Optimizer, by leveraging this problem-solving engine. Utilize your unique business data to drive decisions and remove the guesswork to produce efficient and effective results through AIP and Python Framework.

Asset investment planning — Generate long-term investment action plans for future periods based on business funding, risks, conditions and asset interventions.

Put your data to work and simplify the decision process by comparing multiple what-if scenarios to see the impacts and trade-offs of various planning elements.

Give your teams the confidence to efficiently create and communicate these investment plans, knowing the data backs them up.



OpenCAD — Access and mark-up drawings within Attune EAM. Calculate floor space using predefined industry standards. Save time by building your asset registry and creating assets in Attune EAM directly from drawings. Visualize workspaces, permits, any facility or plant and assets work across the space.

Python Framework — Powered by JupyterLab, the industry standard for writing Python scripts, Python Framework provides customers with Python Studio, a streamlined user interface, for writing, managing and executing Python scripts. Python Framework features a robust infrastructure for seamless script execution and publishing, along with 20+ out-of –the-box templates that lower the technical barrier for users of all skill levels to leverage the power of Python.

- **Includes:** Machine learning, condition monitoring, task automation, reporting and visualizations.

Benefits from Attune EAM in manufacturing



Efficient resource management:

Attune EAM helps manufacturers operate more efficiently by optimizing resource use throughout the maintenance process. The data it captures and the outcomes it produces can highlight areas of waste or inefficiency, enabling organizations to modify their processes to reduce overall resource consumption, thereby aiding sustainability efforts.



Predictive maintenance:

Capitalizing on artificial intelligence (AI) and machine learning (ML), Octave Attune APM (formerly HxGN APM) enables predictive maintenance, helping minimize unexpected downtime. By accurately predicting when machinery will likely fail or need servicing, businesses can schedule maintenance in advance and avoid the high costs and lost production time associated with unplanned outages. This use of data-driven intelligence pushes operational excellence to its utmost, minimizing waste while maximizing productivity.



Lifecycle management and maintenance:

Attune EAM manages day-to-day maintenance operations and contributes to sustainability efforts by providing analytics-based predictive insights. These insights could lead to less downtime, fewer equipment failures and extended equipment lifespan, minimizing the environmental impact related to equipment maintenance, replacement or disposal. Over time, this contributes to the overall reduction in the manufacturing facility's carbon footprint.



Enhanced collaboration:

Attune EAM enables a connected workforce by linking people, processes and data on a single platform. Using Attune EAM's mobile capabilities, critical data and insights are democratized and made available to everyone, allowing for better collaboration, decision-making and problem-solving within teams. The connected worker becomes more informed, reacts faster and is more efficient in their maintenance operations, improving productivity.



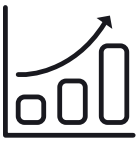
Real-time maintenance resource tracking:

Attune EAM connects resources in real time, offering a comprehensive view of the maintenance process from start to finish. It precisely tracks parts and supply availability, machine usage and labor capabilities, ensuring resources are always appropriately allocated. This level of visibility allows managers to predict potential bottlenecks, reduce waste and improve efficiency, further contributing to optimal resource management.



Reduced inventory costs:

Attune EAM allows for more accurate, data-driven inventory management, which can drive significant cost savings. With this, manufacturers can avoid excess stock or shortages, reduce inventory carrying costs and optimize warehousing.



Improved uptime:

By monitoring and calculating factors like uptime, mean time between failures (MTBF) and mean time to repair (MTTR), Attune EAM enhances overall system uptime by giving maintenance staff the data and insights needed to act. This intelligent data provides a clear, near real-time picture of equipment performance, ensuring maximum operational availability.



Increased labor efficiency:

Attune EAM's near real-time insights into equipment performance enable improved planning of maintenance personnel, activities and allocation of maintenance resources, leading to more effective labor utilization. It enables operators, technicians and managers to collaborate, significantly increasing labor efficiency and overall productivity.

Attune EAM provides many benefits to manufacturing organizations. Collaboration is enhanced by creating a connected workforce, ultimately improving decision-making and driving productivity. Real-time inventory visibility and improved uptime, backed by intelligent data insights, amplify operational availability and efficiency. Lastly, with data-driven inventory management and labor optimization, inventory costs are reduced and labor productivity is maximized, making Attune EAM the essential tool for any manufacturing organization.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property, and assets– for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

©2026 Octave Intelligence plc and/or affiliates. All rights reserved.

