Infor EAM for Life Sciences

Compliance meets performance

While the risks of regulatory noncompliance are significant, reliably delivering products to consumers means today's life sciences manufacturers must also focus on optimizing systems that enhance performance and business continuity.

Equipment, facilities, and fleet drive the quality and supply of life sciences and pharmaceuticals companies. Efficiently and cost-effectively delivering high-quality products to market, while complying with stringent and evolving government regulations, is dependent on a next-generation EAM system that extends asset lifecycle. It also offers intelligent business insights that support innovation and more effective decision making.

Discovering efficiencies and opportunities

With decades of experience solving industry business challenges as well as an understanding of evolving consumer and market demands, Infor helps clients meet both complex business and regulatory requirements. With Infor EAM for Life Sciences, organizations can maximize asset value, meet Code of Federal Regulations Title 21 Part 11 (21CFR11) guidelines and other compliance standards, and also apply advanced analytics for more strategic planning. Infor EAM for Life Sciences collects and consolidates key operational data in real time to enable efficiencies and opportunities for additional revenues and profits.

Connected, comprehensive EAM

Infor EAM for Life Sciences takes maintenance management into the 21st century, combining proven EAM practices with next-generation technologies such as advanced data analytics, mobile functionality, and cloud deployment.

- **Asset management**: Identify, track, locate, and analyze physical assets. Facilitate metered usage measurement and automatic usage value transmission to sub-components. Define time, material, and labor costs in cost-charging arrangements. Track asset costs and movements using an easily configured family tree that forms relationships between equipment, systems, and locations.

- **Preventive maintenance (PM)**: Base PM tasks on fixed dates, flexible time periods, or metered usage, letting the solution adjust schedules to compensate for early and late work completion.

- **Performance-based maintenance**: Use real-time monitoring, analysis of asset performance, and alert management to notify operations of potential problems before they disrupt production.

- **Call center management**: Centralize incoming maintenance requests and empower operators and customer service representatives by giving them fast access to all the information they need to handle maintenance, service, and asset management requests.

- **Inspection management**: Automatically generate corrective work orders when an inspection result exceeds preset limits.

- **Materials management**: Monitor and control the inventories of storerooms with materials management tools such as economic order quantity (EOQ), class classifications, and assignments. Manage parts receipts, issues, returns, and cycle counts.

- **Reports**: Select from a variety of predefined reports including assets, materials, purchasing, schedule, work, budget analysis, projects, and commercial services.

Infor EAM for Life Sciences helps businesses create an EAM ecosystem across equipment, facilities, and fleet to support compliance, quality, and business and product innovation.

The new EAM ecosystem

Infor EAM for Life Sciences provides industry-specific EAM best-practice capabilities while enabling capture and delivery of big data to power analytics and machine-learning strategies.

Maintenance 4.0

The automation and machine learning that defines Industry 4.0 has a parallel in Maintenance 4.0—the concept of digitizing previously manual processes. EAM helps harness the power of data to predict asset failure and automatically direct remediation processes.

Business analytics

From specific equipment performance to multidimensional, cross-enterprise data, users can more easily mine specific data, examine trends, and establish meaningful insights. Flexible graphing and scalable access provide Infor EAM customers with the tools necessary to see reporting in new ways and from multiple data locations. If deployed in the cloud, Infor EAM for Life Sciences stores raw data in a data lake, while delivering tools that enable a flexible data framework and dynamic decision-making power.

Mobility

Infor EAM for Life Sciences is a mobile-first tool that deploys complete computing power to any tablet or smartphone. Field workers and other technicians can assign, perform, and record activities anytime. Work is recorded as it happens, yielding better service, improved accuracy, and more efficient asset management through access to data in real-time. Managers and field service workers responsible for installing, maintaining, and fixing assets can assign, perform, and record activities and ad hoc work orders anytime, anywhere, from any device.

Workforce management

An effective EAM strategy is only as productive and effective as those who manage processes and technology. Infor EAM for Life Sciences allows labor cost and wrench time tracking to minimize downtime and ensure quality, efficient work.

Meeting 21CFR11 requirements

- **Print and electronically transfer records**: Print and export records in multiple formats, including Microsoft® Excel spreadsheets and Adobe® Acrobat® PDF files. Plus, compile a record library that keeps track of progressive changes so FDA inspectors can see each alteration of a record, such as repair logs, inspection results, and preventative maintenance accounts.

- **Manage system access**: Set parameters to ensure password and ID integrity, such as the number of days a user can keep the same password. Use an extensive network of overlapping security controls to prevent unauthorized users from electronically signing records, accessing functions outside their jobs, and altering records. You'll ensure stability and meet or exceed 21CFR11 provisions with these authority check controls.

- **Support audit trails**: Independently record selected database entries, changes, and deletions with extensive auditing tools. Plus, track user IDs, altered fields, changes to values, the date and time of a change, and whether the change was a data insertion, update, or deletion.

- **Maintain document control**: Control distribution rights and the ability to revise documentation of protocols and procedures. Administrators can specify multiple staff members who must approve changes to procedures, such as calibrations and inspection tasks.

- **Support electronic signatures**: Ensure that each electronic signature is unique, secure, and valid. Plus, keep track of when and by whom a document was altered, so FDA inspectors get a clear audit trail to observe.

All regulations that impact EAM—including FDA Title 21 CFR Part 11 for life sciences, the Joint Commission for healthcare, State of Good Repair for transportation, and others—are constantly evolving. Cloud-based EAM solutions are updated on a monthly or quarterly basis to accommodate the necessary changes so cloud customers can access compliant systems virtually as soon as changes occur.

Meeting cGMP guidelines

It's not enough to make sure that your equipment and instruments are precisely calibrated, your documentation must also be able to meet the stringent monitoring requirements of federal agencies. Documentation that shows how your equipment performs, how your company conducts traces, and how it achieves consistency in products, helps ensure that you meet cGMP (current good manufacturing practice) guidelines.

With easy-to-use screens and menus, you'll ensure proper calibration and documentation with functionality that includes:

- **Calibration PM**: Establish a calibration PM program for each piece of equipment that contains calibration instructions, approved calibration procedures, original equipment manufacturer (OEM) specifications, process control limits, and standard procedures for performing the calibration. You can establish a calibration PM based on fixed calendar days, usage, and the results of previous calibrations.

- **Track calibration results**: Track results such as calibration sequences, test-point data, tolerances, process control limits, as-found results, as-left results, action taken, and calibration status. Because each calibration work order is linked to a specific piece of equipment, you'll be able to easily roll-up costs and maintain historical tracking of all equipment information based on parent equipment, department, or organization. Also track corrective action procedures and root-cause analysis related to out-of-tolerance work orders.

- **Traceability**: Quickly determine when and where a calibration has been erroneous, so you can segregate potentially affected products.

- **Calibration history and reports**: Search and view all calibration results for a selected piece of equipment-by-equipment class, department, or date range. Choose from several standard calibration reports—including the frequency and date of last calibration and the next scheduled date of calibration. You can directly export calibration data to Excel and other programs for ongoing analysis and reporting.

- **Mobile entry of calibration data**: Use mobile devices to record, view, edit, and transfer calibration information to and from a central database. Optimize workflows with mobile support for electronic signature standards.

Promote sustainability

You'll be able to more easily and effectively comply with environmental regulations, as well as reduce your company's overall consumption of energy and other natural resources, including water, air, gas, electricity, and steam, because Infor EAM for Life Sciences integrates energy efficiency with overall asset management.

With Infor EAM for Life Sciences, you can identify, optimize, and automate proactive maintenance, as well as determine whether a piece of equipment should be repaired or replaced, using energy consumption metrics, environmental parameters, and asset performance data.

Monitor and control greenhouse gas emissions, other fugitive emissions, water discharge, and material byproducts from your operations. Use this information to reduce energy consumption, lower emissions, and reduce costs by making design and configuration changes in your asset infrastructure.

Infor EAM for Life Sciences yields real results at Takeda

Takeda is a global biopharmaceutical company manufacturing potentially life-changing treatments for patients. With Infor EAM, Takeda made these improvements:

- Reduced administration time by 2.5 hours a day for the planners

- Improved utilization of technicians from 40% to 93%

- Eliminated 20,000 paper-based work orders per year

- Reduced reactive work from 60% to 18%

Work smarter

Not only can you improve the efficiency of your business processes, you can reinvent them. Instead of wasting time searching for information, you could be acting on it. All your employees can be productive from anywhere.

Infor EAM for Life Sciences is built on groundbreaking technologies that deliver new levels of usability, connectivity, and insight. Based on the latest advances from both the consumer and enterprise worlds, these technologies change everything you thought you knew about business software.

Organized

Role-based dashboards and powerful personalization tools let you arrange graphs, key metrics, priority alerts, and favorite inquiries on a single screen, giving you one place to go for all the information you need to make better decisions, faster.

Confident

Alerts and pre-defined workflows deliver critical, role-based information automatically to your desktop and smartphone. Act faster with early notification of late deliveries, missed shipments, and quality failures, so you can be more proactive with your suppliers, customers, and production.

Connected

Infor's ION technology simplifies connectivity between your existing applications—both Infor and non-Infor. You get seamless integration and a unified user experience across all your systems.

Reliable

Infor EAM for Life Sciences provides a single, reliable source for all your reports—even when that information is drawn from multiple systems across your business. Out-of-the-box, you'll derive the benefits of powerful role-based reports and industry-specific business measures derived from our 30+ years in the life sciences industry.

Social

With our social collaboration capabilities, you can transform the way your company works. Imagine being able to work together on the same project or document in real time. Everyone in your organization will be able to work in communities of shared interests, collaborate more effectively, improve processes, act faster, be more productive, and get better results.

See results now

In the life sciences industry, managing assets to optimize operational efficiency and decision making is critical, but that's not enough to ensure success. You can turn compliance into a competitive advantage with Infor EAM for Life Sciences, which helps you:

- 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

Cloud deployment for efficiency and excellence

For nearly two decades, Infor has been providing EAM in the cloud. With the same sophisticated and trusted on-premises EAM cloud solutions, Infor EAM for Life Sciences gives companies and users the assurance that their SaaS provides patches and updates tested specifically for the industry—before implementation.

EAM cloud migration helps life sciences companies focus on improving asset management, not IT infrastructure, all at a predictable cost. By refocusing time and resources, companies can put more resources toward everything from reducing inventory costs, to more efficient deployment of workers and skills.

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