



Drone Enterprise Asset Management Solution (DEAMS) by Infor and Drone Aviation

Navigate challenging facilities and assets

Organizations that maintain operations in the sea, air, and land can face a challenging, dangerous, and dirty job—inspecting your large facilities and assets. Ensuring that your assets are performing reliably to design standards, means balancing tight budgets and aging infrastructure or finding new ways to maximize the value of your existing assets. As digital technologies merge with unmanned aircraft systems (UAS), otherwise known as drones, you can maintain your assets and facilities, while also reducing costs and safety risks.

Send your EAM system into the sky

Meet the Drone Enterprise Asset Management Solution (DEAMS) offered by Infor® and Drone Aviation Corp. The solution brings together Infor Enterprise Asset Management (EAM) applications and drone technology from Drone Aviation Corp. With Infor DEAMS, you can inspect and maintain your large assets and infrastructure, as well as your parts, tools, equipment, stations, and underlying IT assets—safely and cost-effectively.

By sharing the information you gain from unmanned drones with your EAM system, Infor DEAMS can help you improve your asset maintenance programs, schedule maintenance and track the lifecycle of your assets, inspect locations where it's difficult and time-intensive to send your workers, and create a safer working environment.

With Infor DEAMS, you get the most complete, efficient, and safe drone-enabled EAM solution on the market today.

Track even the smallest details of your largest assets

When you can get insights at the point and time of need, and combine them with an EAM solution, you can identify, study, and fix problems more quickly and efficiently. Whether the problem is inspecting the hull of a submarine, an impending bridge failure, or wind damage to the roof of an office building, with Infor DEAMS you can get answers to your problem in real time.



Monitor and maintain your assets

By combining Infor EAM applications with **tethered drone technology from Drone Aviation**, Infor DEAMS gives you full visibility into your assets—no matter how large an area you need to cover or how dangerous it might be. Infor DEAMS is for organizations all across the public sector that must maintain large assets and infrastructure, including trains, tracks, oil and gas pipelines, shipyards, aircraft, buildings, bridges, and more.

With Infor DEAMS, you can monitor and maintain:

- **Infrastructure/property**—Buildings, structures, bridges, roads, power plants, and gas and oil refineries
- **Fleet**—Vehicles, ships, submarines, aircraft, and more

Improve the inspection process

With the ability to perform functions like perch-and-stare, video capture, and laser scanning, a drone can replace many of the dull, dirty, and dangerous functions of inspection and surveillance. With the flexible flying capabilities of [Drone Aviation's WATT and BOLT tethered drones](#), and their ability to capture high-quality images and footage, Infor DEAMS can be used to inspect buildings, oil rigs, power stations, railways, and other linear and nonlinear assets.

Create a detailed plan for delivering your services

Backed with Infor ION®, Infor's real-time integration technology, the rich data collected by the drones' onboard sensors can be integrated within Infor EAM and your maintenance, repair, and overhaul (MRO) applications. You can then analyze this data, so you can create a detailed plan for delivering your services, while also complying with federal mandates.

Instead of free-flying drones that can have a limited battery power of only a few minutes, Infor DEAMS relies on Drone Aviation's tethered drones. These drones have advanced imaging cameras that can zoom in to show the smaller details of an item being inspected, and they can be in operation for hours, since power comes up from the ground through the tether and not from on-board batteries.

Infor DEAMS can send drone sensor data seamlessly into your EAM system, including input sensor data like color video, thermo video, still frames, LIDAR 3D data, and more. Since this data is sent down the secure tether, your data integrity is maintained. This data can be stored for long-term retention and placed in a review queue for analysis, so you can perform off-line inspections depending on the availability of a specific subject matter expert.

During the analysis/inspection cycle, Infor DEAMS lets you access historical sensor data from past inspections, as well as the inspection standards that apply from both internal and external sources (including legal, government regulations, and more).

With Infor DEAMS, you can:

- **Improve operational visibility to inform your decision-making.** Thanks to advances via the Internet of Things (IoT), today's interconnected devices, systems, and sensors generate copious amounts of data. By populating your EAM solution with this information, you can gain greater insights into the precise level of predictive maintenance required, along with performance issues likely to arise in coming weeks, months, or years.
- **Use automation to enhance sustainability.** With direct access to the detailed information needed to manage energy consumption and formulate energy performance management strategies, you can evaluate period-over-period energy consumption behaviors within individual real property assets to determine whether your energy policies are having the desired effects.
- **Stay compliant with government, environmental, and safety regulations.** With Infor DEAMS, you can generate detailed reports to support ongoing performance and sustainability requirements to comply with federal regulations.

Add the flexibility of drone technology to your EAM system

Thanks to the flexibility of Drone Aviation's technology and the asset visibility of Infor EAM, Infor DEAMS can provide you with an efficient and economical way to visually inspect your assets and collect that information for maintenance planning and urgent repair indicators.



Keep your assets in top condition

Infor DEAMS gives your personnel the tools they need to track the ongoing, real-time condition of all shipyards, oil rigs, railways, and other large assets to ensure proper maintenance levels. By helping you track this asset information, Infor DEAMS can also give you an edge when it comes to maintaining compliance with federal oversight requirements.

Infor DEAMS can be used for:

- Engineering and construction
- Asset and plant inspections
- Infrastructure inspections
- Power and gas line inspections
- Environmental monitoring
- Supply chain/warehouse operations
- Emergency services
- Surveying and mapping
- Thermographic imaging
- Industrial roof inspections
- Civil works monitoring
- Property development
- Agricultural monitoring

Schedule and track your asset maintenance needs

Identifying the assets that require your immediate attention, versus those that may have repairs deferred, is a juggling act. With Infor DEAMS, you can access your EAM system's analytical capabilities through a single, integrated data repository to aid both asset management and oversight requirements.

Build a reliable asset inventory

By creating a reliable inventory of your assets, Infor DEAMS gives you a clear view of your currently owned property assets. Your users can use Infor DEAMS on a desktop or mobile device to identify, track, locate, and analyze your physical assets to maximize productivity.

Setting maintenance schedules is also easy. With Infor DEAMS, you can generate precise maintenance schedules—preventive, corrective, or predictive—to better use limited manpower and material resources. The schedules and labor requirements can easily be adjusted as real property needs change over time. This information can also be used to create facility maintenance budgets and track associated costs.

In addition, you can track all of the spare parts and inspection cycles for your drone assets. Thanks to Infor DEAMS, you can schedule and task drone assets between inspection jobs. That way you can always have the right drone and sensor at the right inspection site.

Infor DEAMS includes tools like:

- Drone sensor inputs for inspection, shortage, collaboration, and review
- A database of historical drone sensor data for comparison and legal standard retention
- A database of updated physical and fiscal information about all agency assets
- Software to support operational process work flows, so you can capture and update actionable information about each asset
- An inspection scheduling database to meet internal and external standards
- A comprehensive drone inventory of assets, spares, and past and future maintenance that you can measure against internal and future FAA requirements
- Barcodes to identify assets

Mobile device support to conduct field auditing and maintenance updates

Improve your service with better decision-making

With Infor DEAMS, you can give your business and maintenance users more accurate and up-to-date asset information—so you can make quicker, more effective decisions.



Maximize the life of your assets

Infor DEAMS can be integrated with Infor EAM for a complete workflow within the Infor DEAMS environment. With Infor DEAMS, you can manage the lifecycle of your property and infrastructure assets, so you can minimize costs and maximize service utilization.

With Infor DEAMS you can:

- Improve safety and avoid costly scaffold or platform machinery.
- Cover large areas in relatively short time periods or focus on particular areas.
- View live feeds, reduce expensive shutdowns, and identify defects for instant analysis.
- Gain real-time asset visibility from one system.

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