

FIELD FX EAM MODULE: ROBUST ENTERPRISE ASSET MANAGEMENT FOR MULTIPLE ROLES



The FieldFX EAM (enterprise asset management) module radically improves the way enterprise organizations manage, track, utilize, and maintain their physical assets. As part of the LiquidFrameworks FieldFX suite, FX EAM delivers real-time visibility into all physical assets including their status, schedules, reports, recommendations, and more.

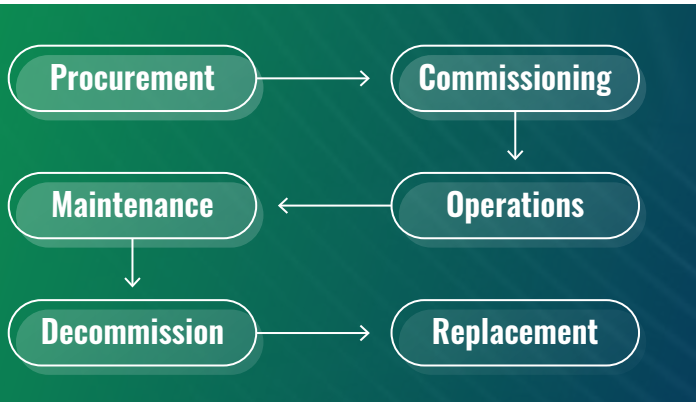
FieldFX is highly customizable, and comprises a suite of modules that can be implemented individually, or all at once. These modules can be customized to specific industries and needs. One of our most popular modules is our EAM (Enterprise Asset Management) module.

The FX EAM module enhances physical asset management by providing process and intelligence that allows for increased equipment reliability, systematic preventative and predictive maintenance, and efficient inventory management.

The EAM module helps companies institute more effective and more efficient processes by digitizing and streamlining every part of asset management. Customizable to different user personas, the module ensures that maintenance managers, inventory managers, operations managers, and mechanics all work within one integrated system.

With such an unparalleled view, FX EAM is the perfect partner for multiple roles, including maintenance managers, operations managers, inventory managers, and mechanics. The module transforms them into more efficient, productive, and highly accurate field service professionals.

As all professionals know, the equipment lifecycle is long and complex.



The equipment lifecycle is a complicated loop, covering procurement to replacement and every phase in between.

With heightened complexity comes greater possibility for error. Because equipment lifecycles are so multifaceted, improperly managing them can cause a host of issues:

- Multiple information silos scattered across the organization;
- Record Management takes place via spreadsheets and pen and paper;
- Multiple versions of unreliable and outdated data;
- Fractured communication flow;
- Heightened operational and safety risks due to gaps in visibility;
- Inefficiencies in asset management that lead to time wasted on repair and maintenance.

Profitability directly relates to the returns and revenue efficiency of an organization's assets. When equipment lifecycles are inefficiently monitored, tracked and optimized, companies squander time and money.

The FieldFX EAM module is purpose-built to introduce more powerful and more efficient processes into an organization.

● PROCUREMENT

At the procurement stage, companies are acquiring the assets, materials, parts, and other items they need to keep their inventory optimized. During this phase, the EAM module can automatically fulfill stock item and asset inventory, based on forecasted maintenance and work. It can drive purchase orders or requisitions automatically or through an approval workflow.

● COMMISSIONING

At the Commissioning stage, companies are testing and preparing an asset for use. With the EAM module, they can schedule and perform inspections. In addition, users can track components including multi-level and parent-child component relationships, allowing them to assemble assets and visualize a complete equipment hierarchy.

● OPERATIONS

Operations is the heart of the job, when a company needs an asset to fulfil its intended purpose. With the EAM module, the user can undertake location tracking, gaining insight into where specific equipment is located. Any time, they can go into the system and see the current status of all their assets. This level of tracking, via forms, ticketing and IoT sensors, empowers companies to drive profitability reporting.

● MAINTENANCE

Maintenance is the actions taken to ensure your enterprise assets are in good health. At the Maintenance stage, with the EAM module, a multitude of powerful benefits emerge.

Each asset can have multiple preventative maintenance schedules assigned to it which automatically generate work orders from highly configurable templates. These customizable templates can draw on PM schedules, meter readings, work orders, and a range of other factors. Work orders can be managed and updated in bulk.

FX EAM work orders track the labor, tasks and planned supplies used to perform the respective maintenance as well as other information such as documents, certifications and photos. Users are also able to add miscellaneous items that weren't planned as part of the original work order.

Route stops can be linked to work orders, so that work orders can be edited or completed on a mobile device, on site. Powerful inventory tracking – including spare parts tracking, warehouse tracking, bin level tracking – cuts inefficiencies. Automated bills of materials make it a lot faster and more accurate to perform a work order. Auto-ordering of inventory allows you to automatically and rapidly place purchase orders to go out to a preferred vendor.

And to make things as smooth as possible, 100+ report types are included out of the box – Mean-Time-Between-Failure (MTBF), Mean-Time-to-Repair (MTTR), Total Cost of Ownership (TOC), and more – giving you the most holistic picture imaginable

● DECOMMISSIONING

Decommissioning is the retirement of assets deemed unfit for deployment. FieldFX EAM provides users with the tools to see if an asset is worth keeping or replacing. Data from inventory reports, maintenance reports, prevailing market prices, and analytics are gathered and analyzed to determine if the cost of repairing an asset is greater than the cost to replace it.

Once an asset is successfully decommissioned and disposed, the asset lifecycle has gone full circle. The search for a replacement begins, thus initiating a new equipment lifecycle.

ENTERPRISE ASSET MANAGEMENT FOR EVERY ROLE

FOR MAINTENANCE MANAGERS

With the EAM module, maintenance managers can readily spin up reports in a dashboard. All the information, from Mean-Time-Between-Failure data to upcoming maintenance schedules and warranties, is at a user's fingertips. No need to go to filing cabinets or Excel workflows. All the details a maintenance manager needs are right there. Reports can even be scheduled to arrive automatically, on a given day of the week.

From a truck, they can quickly hop to the utility trailer, and the generator on that trailer. This offers users a single perspective from within the system.

From the dashboard, you can rapidly pull up dedicated information around PM schedules, meter readings, stock items, and more. It's easy to group these data points, filter them, move through multiple calendar views, and see how they connect to one another.

When the information is collected together, it's easy to initiate work orders based on schedules, and break orders down into Work Tasks. All of this links seamlessly with the FX E-Ticketing module, giving a full picture of all billables.



For a given asset, the EAM module collects everything: location, serial numbers, make and model, even fuel type and other granular data – all linked to a catalog item. From here, a maintenance manager can see everything that connects to a given asset in the equipment hierarchy:

FOR INVENTORY MANAGERS

Visibility into inventories is crucial for any enterprise organizations, especially when multiple inventories are set up and distributed at many places throughout the supply chain. These include items on the shelves, warehouses, and shipment trucks in transit.

Inventory managers enjoy great visibility into their organization's inventory, allowing them to see the status of their current stocks, purchase order requests, and schedule of deliveries among others.



The benefits of inventory visibility include enhanced and accurate tracking of items regardless of where they are in the asset lifecycle. Aside from improving precision

of order requests and auditing, inventory managers can quickly spot order anomalies the moment they occur, enabling them to immediately adjust and respond appropriately. This helps them save time and money while preventing any complications that may arise from inventory mishaps.

Within the EAM module, inventory managers are immediately alerted to all purchase order requests. From the dashboard, they can customize their view so that they can focus on which orders are new, which are open, how they relate to stock items, and so on.

The view can be configured to whatever information needs to be reviewed, and the user is never more than a couple of clicks away from drilling into any specific piece of information.

Inventory managers can track orders against a specific vendor, and review or manually release from within the dashboard. All the information automatically rolls up against the relevant work order and assets, so everything is tracked and accessible. All the information around inventory location is captured: the default buyer, level worth, quantity, upcoming orders, transfers.

FOR MECHANICS

For mechanics, the EAM module works just as well on iPad, tablet, or phone. You log in, and start at your customizable home dashboard. The most pressing tasks can be the first things that you see, so you're never going digging to see what you have to do for the day.



Within every work order, you can get the high level details, including asset IDs, due dates, maintenance schedules, and whatever else you need. You get all the information you need, but nothing superfluous. Just high-level details in a streamlined interface.

The EAM module makes it easy to communicate back to other staff members. With the push of a button you can update on where a task is at and if it's finished.

As you're logging completing tasks, you can record notes: For example, if you've just replaced 13 quarts of oil, but you noticed that there was damage to the oil pan, you can let the system know. It's a piece of cake to add comments before you hit complete. The system will even remind you that you might need to initiate a follow-up work request. Everything you do ties smoothly into a system of notifications and alerts, so that the people who need to be updated get updated.

FieldFX EAM gives mechanics the ability to issue corrective orders whenever necessary. This feature is extremely useful when there is a huge need for maintenance work that has not necessarily been scheduled.

For instance, a mechanic's truck's tire blows out while in operation. Because it was an unseen event, there is no work order. But replacing the busted tire is a priority to ensure operational continuity. With FieldFX EAM, the mechanic can generate a work order and log all activities related to the work including time spent, tasks accomplished, and more. He can supplement his report with photos and transmit them to management in just a few clicks.

The combined impact of the FX EAM features can significantly impact an organization's bottom line. A centralized, digitized, holistic enterprise asset management system empowers enterprises to:

- **COMBINE SEAMLESSLY WITH FX E-TICKETING**

Centralized workflows, stretching across all relevant job roles, integrate seamlessly with the broader Field FX suite, including all of FX E-Ticketing. Automated alerts and notifications take the legwork out of cross-departmental lines of communication. When you're putting together quotes, the EAM module makes it easy to carry out demand planning by checking inventory levels and job schedules.

- **MINIMIZE EQUIPMENT DOWNTIME**

Everyone hates downtime. The more skillfully you take care of an asset, the better that asset is going to generate revenue. With the insights of FX EAM, you can always get insights on why your assets are or aren't performing up to scratch; always perform maintenance at the right time; and fully understand any issue, before it becomes an emergency.

- **REDUCE SPARE PARTS LEAKAGE**

With the EAM module, users can track inventory location and usage and capture all the costs that are part of the maintenance process. The inventory manager can now have full control of spare parts allocation insuring the efficient use of parts in maintenance.

- **INCREASE EQUIPMENT RELIABILITY**

Through the FX EAM module, you can drill down to the granular level for any detail you might need to make a decision. In FX EAM, you are able to model preventative maintenance schedules that generate work orders from criteria that are calendar based, meter based and event triggered. This way, you can ensure that all assets are in good shape and reliable.

- **MAXIMIZE EQUIPMENT UTILIZATION**

Proactive maintenance leads to better equipment reliability and less downtime due to failures. On top of this, when enterprises break down silos and organize all of their enterprise asset management within a centralized platform, inefficiencies evaporate. Through the powerful central platform that is FX EAM, you can automatically generate work orders, and properly track equipment location and usage. Your maintenance managers, inventory managers, operations managers, and mechanics are all looped into the system, meaning everyone is kept in the loop at all times.

- **INCREASE SAFETY**

With better visibility and a reliable maintenance schedule, you can make sure any unsafe asset doesn't stay on site, and reduce the chance of an asset having an unforeseen error. You never arrive at a job only to find that an asset isn't working properly. All safety logs can be preserved for when you need to show a spotless track record.

THE ROI OF EAM

In the service industry, profitability results from driving efficiency from people and assets. FX EAM can maximize that efficiency, thus significantly impacting an organization's profitability.

- **INVENTORY COST**

Deploying EAM gives the ability to monitor and control asset inventory which leads to the reduction in inventory levels, carrying cost, new equipment cost and materials cost.

- **WARRANTY COST**

FX EAM gives you the ability to track assets and repairs that are eligible for warranty claims. Organizations see a significant uptick in profitability due to increased warranty cost recovery.

- **MAINTENANCE COST SAVINGS**

Implementing an inclusive preventative maintenance program lowers the costs of maintaining assets. Over half of maintenance is reactive. But with proactive and preventive maintenance, enterprises enjoy huge savings in maintenance costs that stem from reduced asset failures and enhanced inventory availability. Energy cost savings are also created by better maintenance programs.

- **PRODUCTIVITY**

EAM enables automation and better scheduling of tasks, centralized data, communication, reminder tools and audit readiness. These factors lead to an average of 20-30% increase in productivity and labor savings. Standardization across the organization reduces inefficiencies caused by disparate systems.

FX EAM will also lead to significant intangible benefits. These benefits include customer experience, reduction of attrition, mitigation of environmental and safety risk as well as greater employee accountability.