



Field Asset Management System (FAMS)

ENTERPRISE

What is FAMS - Enterprise?

FAMS is an asset management system designed to provide a centralized location to help improve the complex needs of maintaining small or large scale Intelligent Transportation Systems (ITS). To accomplish this, FAMS offers several modules to assist in the many different areas. Modulization allows the ability for an agency to add more modules in the future as industries change. It also reduces the cost for smaller agencies that do not need all the features of larger ones.

FAMS Module Descriptions

Inventory Module

Inventory management is a key component in any ITS environment. This module was designed to facilitate the many management needs to achieve success in these areas. Some key features include detailed history retention, advanced consumables management, warranty tracking, location auditing with automatic corrections, track asset repairs and costs, detailed searches, custom attributes, user-defined lifecycles, scanner support, cost, and performance analytics to help locate problematic or reliable assets.

Field Module

Up to date system documentation is vital to succeeding in the maintenance of any ITS system; without it, technicians and associated agencies are working blind. The goal of this module is to facilitate a centralized location for this documentation and remove the possibility of fragmented out-of-date information between everyone. This method saves both on cost, resources, and mistakes. This module supports the many different parts required to achieve success in this area. Some key features included are inventory/model associations, many Google Maps API features (directions, geocoding, street view), interactive map with both satellite and standard views provided by Google, detailed searching, custom attributes, user-defined lifecycles, cost and performance analytics, unique pathing system.

Rolodex Module

Working with many agencies, contractors, vendors, and manufacturers can be cumbersome when keeping track of contact information. The goal of this module is to provide a place to store both contacts and addresses for these entities that everyone can access as needed.

Document Module

Documents are largest consumption offender to any storage space. Especially when the standard way documents are implemented, requires users to upload the same document in many different places. Thus, using up more and more space with the same information. FAMS centralizes our document system files so they can be uploaded once, then linked throughout the system. Furthermore, these files can be revised which automatically updates all of the locations the documents have previously linked to in the system. Revision history is also tracked so older versions of a file are saved for reference. This saves a significant amount of storage space and directly reduces the cost to house them. This module also includes an automatic association feature where documents can be automatically added to items in the system if they meet certain criteria such as user manuals and datasheets for specific inventory.

Events Module

Communication between agencies and contractors when performing certain tasks within the system is another crucial component to success in ITS maintenance that helps reduce costs and waste of resources. However, this becomes tricky with the many agencies that work on these systems and the many entities that need to be kept informed. The events module is designed to simplify this process. Example, an outside contractor is about to perform a hot-cut on a fiber. Before any work begins, they need to contact the interested parties and notify them of the hot-cut. They don't typically work the agency or the maintenance contractor, so they also don't know who needs to be notified. Providing access to the FAMS event module allows them to create a new scheduled hot-cut event and select the groups of people to be notified. FAMS will then email everyone that are a part of those groups to let them know of the scheduled hot-cut. For example, this could be the maintenance contractor and the TMC to prevent them from creating an emergency trouble ticket which could be costly.

Issue Tracker Module

Sometimes tracking down a reoccurring issue can be difficult. Especially without a centralized location to document information about the reoccurring events. The goal of the issue tracker module is to help provide the tools for documenting an issue which can be used to narrow down the problem. Issues are automatically distributed throughout the system so that crews can get quick access to common problems and how to resolve them even if they didn't know they existed. Centralizing this information keeps essential data from being fragmented between everyone which makes tracking down an issue take less time than it typically would.

Knowledgebase Module

Knowledge about products, the systems, and procedures is another significant component to succeed in the maintenance of an ITS system. The goal of this modules is to provide that knowledge, create processes and procedures for contractors to follow and link them throughout the system for access. Maintenance contractors can develop how-to documentation for performing certain tasks on different products and upload them to the system to keep information on complex tasks

available for anyone to use. It automatically associates knowledgebase articles to specific products or assets to make deployment even easier.

Work Orders Module

Requesting contractors, or agencies, to perform tasks while tracking progress can be difficult. This module is designed to facilitate the tools for simplifying the issuing of tasks to the many agencies. For Example: Create trouble tickets to have maintenance crews repair devices. Create work orders to have inventory delivered, and specify the inventory involved. Keep track of billing in each work order and analyze costs over time to determine daily, monthly, and yearly maintenance budgets. Simplify QC of contractors by monitoring performance such as response times. Keep track of maintenance history that is automatically linked to assets throughout the system.

Preventative Maintenance Module (PMM)

This module is currently in development. Performing routine maintenance on field and inventory, equipment is extremely important. Preventative Maintenance prevents equipment from failing prematurely, warranties from being voided, products from expiring before use, and helps catch low-cost problems before they turn into expensive problems. The health of an ITS system is dependent on a good preventative maintenance procedure. The goal of this module is to provide the tools to simplify this process. Setup reoccurring schedules to have crews perform routine maintenance on the equipment. With the vast amounts of products used and the many different requirements to maintain these devices, FAMS developed an adaptive preventative maintenance system where the procedures for maintaining equipment will change depending on the type of assets deployed. This allows for agencies to follow manufacturer specific recommendations or requirements to maintain equipment properly for maximum lifespan and minimal management. This module will also provide tools for contractors to report any issues/concerns found while performing routine maintenance keeping everyone informed of the health of the system.

Billing Module

This module is currently in development. Although FAMS already maintains many different aspects to

cost and billing, the goal of this module is to provide a place for contractors to generate invoices and manage estimates easier by centralizing them. Contractors can create and submit invoices, prices and quantities can be adjusted, and keep track of items that have already been paid for throughout the system. Instead of manually creating invoices, billing items can be directly imported from different modules into an invoice with the FAMS invoice builder. Not only does this reduce time in creating the invoices but it also reduces mistakes, both which directly affect the cost of management for your system.

Reports Module

This module is currently in development. Reports are an essential part of management as they provide detailed data regarding many different subject areas that can be presented and distributed. ITS is unique in that it requires many different types of reports, some of which vary by agency. FAMS is developing a system that will support not only typical reports, but custom ones that may need to be tailored for specific agencies so that they can provide the required data to the needing agencies.

Q&A

Q: What do I need to use the application?

A: Because FAMS is a SaaS application you only need the following:

- Computer (Desktop or laptop)
 - Memory: 4GB or higher
 - CPU: duo core intel preferred
 - Windows/Linux/Mac operating system
 - Chrome web browser
- Internet access

Q: How does a subscription based plan benefit me?

A: During your subscription, you will be provided the following benefits:

- Access to the FAMS web interface
- Access to the FAMS API
- Always get the latest updates, features, and bug fixes.
- Infrastructure management (cloud only)
- Disaster recovery support

- Customer support
- Third-party integration support

Q: How does SaaS benefit me?

A: The SaaS application model is great for you because:

- We will manage the infrastructure to support your application and needs. This means you don't have to:
 - Hire qualified staff to maintain it
 - Purchase, upgrade, or replace hardware.
 - Plan and execute a disaster recovery plan and the infrastructure to support it.
 - Scale your infrastructure to grow with your demand.
- Lower initial cost and more predictable spending. We provide you with your monthly price for the contract which makes budgeting and purchasing easier.
- The application is accessible from any computer, anywhere with an internet connection and Chrome web browser.
- Most end-users are familiar with the internet, so this reduces the learning curve of the application.
- Your on-site infrastructure will not be tied down. Some companies can't upgrade or scale themselves because of old outdated applications that will break the moment they move to the latest technologies. With SaaS you can update and scale without any worry of breaking your application.

For additional information please call:



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