

ENSCO adopts EAM for the US Department of Transportation's Federal Railroad Administration

About ENSCO

ENSCO, Inc., and its wholly owned subsidiaries, represent a more than \$190 million international technology enterprise with 750+ employees headquartered in the Washington, D.C., area. For more than 50 years, ENSCO has been providing leading-edge engineering, science and advanced technology solutions to governments and private industries worldwide. ENSCO operates in the aerospace, national security, and surface transportation sectors. ENSCO serves customers in cutting-edge, mission-critical environments where safety, security, reliability, and resilience are of paramount importance. ENSCO field offices and subsidiaries, representatives and partnerships are located throughout the United States and around the world. [Learn more about ENSCO.](#)

The Federal Railroad Administration's (FRA) [Transportation Technology Center \(TTC\)](#), located in Pueblo, Colorado, celebrated its 50th anniversary in 2021. Since its dedication as the High-Speed Ground Test Center in 1971, TTC has played a vital role in the research, development, and testing of rail infrastructure and equipment.

ENSCO operates and maintains as well as conducts research and training at the TTC in support of the [U.S. Department of Transportation \(USDOT\)](#) vision of a vibrant, engaging and modern TTC that fosters innovation, encourages positive change, and creates opportunity. ENSCO is expanding the use of the facility to support other government and commercial entities to achieve the broader mission of transportation safety, security and innovation for all modes of transportation.

The Challenge

In October 2022, FRA awarded ENSCO a contract for research, testing and training as well as facilities operations and maintenance of the Transportation Technology Center (TTC) in Pueblo, Colorado; ENSC.

As part of efforts to modernize the facility, ENSCO established an Enterprise Asset Management (EAM) solution. This allowed users to create and receive work, manage progress, report on SLAs and maintain master data records. However, the initial implementation was limited in functionality and ENSCO required support to improve the EAM implementation.

During the transition from the previous EAM, ENSCO was provided access to extracts of maintenance records in CSV data exports. These extracts consisted of master data and transactional data necessary to establish a new asset management solution. This presented both a challenge and an opportunity to implement a modern, purpose-built solution.

COSOL has been a partner over the past year, helping us transition data from our existing platform and navigate the challenges that come with updating the underlying database within Maximo. Their team is always just a phone call away, and whenever we've needed urgent support - such as resolving access issues to generate critical reports - they've responded quickly and effectively.

Building a CMMS is a journey, not something to rush, and COSOL truly embodies their mantra of crawl, walk, run. They've guided our team through meaningful changes while keeping cost savings in mind, ensuring that every step adds value to our operations.

- ENSCO Facility Manager

The Solution

ENSCO selected [COSOL's Enterprise Asset Management as a Service \(EAMaaS\)](#) solution, leveraging the latest IBM Maximo Application Suite (MAS) version 9.0, to deliver the necessary asset management functions to support its maintenance obligations to the FRA. COSOL's EAMaaS came pre-configured with several productivity accelerators, including naming standards and conventions, security, and dashboards, therefore reducing the overall implementation time and effort.

The implementation, which was the first step in a multi-phase effort to realize the full potential of an EAMaaS solution, followed COSOL's proven methodology by establishing a "gold standard" configuration in a new production environment as the baseline. We replicated this configuration to a test environment for data migration validation and user acceptance testing. Through three careful iterations, the team refined the configuration and established precise cutover timings. This approach ensured a smooth transition for Go Live and first-day operations.

The implementation began in mid-November 2024 and successfully went live on the last weekend of January 2025. The enthusiasm and excitement shown by the ENSCO team for this change is a testament to COSOL's EAMaaS offering meeting the needs of end users.

Future Opportunities

Implementing COSOL's EAMaaS solution has positioned ENSCO for continued growth and innovation at the TTC. The modular nature of [IBM's Maximo Application Suite](#) offers opportunities to expand functionality and deliver additional value to the FRA through advanced analytics, IoT integration, predictive maintenance, and enhanced reporting capabilities.

About COSOL

COSOL is built on one belief: in asset-centric industries, reliability is everything. We're a trusted, data-led asset management partner for organisations around the world who can't afford to fail. And known for our deep expertise, dependable delivery, and ability to keep critical assets performing at their best.

The company recently celebrated 25 years in business and recognised as reliable partners by their clients across the globe.

Learn more about our EAMaaS Solutions

For more information about COSOL's EAMaaS solution and how it can transform your asset management operations, contact us today!

Key Business Outcomes

- ENSCO now has an industry-leading platform to deliver on its maintenance objectives.
- Enhanced collaboration with the FRA is now possible, and a new, whole-of-life, enabled asset health perspective, allowing for earlier identification of risk and the development of capital investment plans.
- Engineers have access to IBM's Reliability Strategies Library as a reference to validate current maintenance strategies and apply strategies for newly acquired assets.
- Shift from static sets of maintenance instructions to dynamic Inspection Forms that guide a technician through the required maintenance actions.
- Ability to enable a mobile workforce, which was an expectation from the younger technicians.
- The removal of email submission method for requesting services with a self-service portal where requestors can submit and track progress.
- Opportunities exist to expand into other areas of the Maximo Application Suite to deliver even more value to the FRA.

