

CASE STUDY _

Building an Enterprise-Wide Training System for U.S. Army Mission Preparedness

RAPID PLATFORM ENGINEERING

Key Highlights

- The U.S. Army was working across 28 disparate legacy training and education systems, resulting in inefficiencies and a risk of system obsolescence.
- LMI partnered with the Army to migrate and integrate these systems into one, centralized, enterprise solution.
- The ATIS platform addresses Soldiers' needs with a user-centered interface, currently serving over 1.5 million users with 180-200k unique logins per month.
- ATIS continues to bring significant cost and time savings resulting from streamlined operations across the Army, decreasing operational costs by 24%.
- By December 2025, ATIS will incorporate 32 applications, surpassing the initial 28 systems targeted.

Decades and dozens of legacy systems

For two decades, the U.S. Army relied on multiple legacy training and education systems from various vendors to plan, track, and manage training across the force. These systems supported all aspects of individual and collective training, to include training development and resourcing.

The programs operated in isolation, creating inefficiencies and reducing overall training effectiveness. Difficulties with integration inhibited modernization and upscaling. Recognizing the need for an integrated, cohesive, and modernized approach, the Army wanted



to build a single, authoritative tool to unify training management across all echelons, in support of up to 2 million users comprised of COMPO 1-3 (Active-Duty Soldiers, Army National Guard, Reservists) and Department of the Army civilians.

Building a modern, enterprise-wide platform

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Phase One: Building the Agile Foundation

In January 2022, LMI stood up cross-functional teams to include Government Products Owners (POs), active-duty Soldiers, and contractors. The first step was to establish an Agile Release Train (ART), aimed at creating user-validated, high-fidelity mock-ups of the platform's interface. Embedding POs and establishing the ART reduced risk and development time by surfacing issues early while simultaneously ensuring designs were based on solid UI/UX requirements.

Phase Two: Developing the Infrastructure

Through iterative sprints, briefings, and ongoing UX/UI research, the team developed the ATIS architecture and interface in alignment with user needs. Agile methodologies enabled regular incorporation of feedback, ensuring the platform remained responsive to evolving requirements and aligned with Army modernization goals. Role-based access control and a centralized portal, both identified early on by the LMI team as key components of the effort, further enhanced secure, role-specific access to ATIS applications.

Advancing readiness through modernized training

ATIS's modular, data-centric architecture supports secure cloud operations, strong data management, rapid deployment, cost efficiency, and security compliance — all while avoiding vendor lock-in. Ongoing UX/UI research, user engagement, and agile methodologies keep ATIS responsive to evolving user needs and aligned with Army modernization goals.

Key outcomes to date:

- Decreased platform operational costs by 24%.
- Streamlined training record-keeping for over 1.5 million users, with 180,000–200,000 unique logins per month.
- Produced detailed reports to identify training gaps and measure progress for informed decision-making and tracking progress against Army training standards.
- Linked to Army training standards, tracking readiness benchmarks and providing real-time visibility into training status for Soldiers and units across the force.
- Currently supports 14 systems enabling mission-critical operations at scale for the force.

By December 2025, ATIS plans to incorporate 32 applications, surpassing the initial 28 systems targeted, and will reach over 2 million users. This approach allows ATIS to rapidly facilitate emerging Army CIO guidance while ensuring the most critical functionality remains available to users and leaders in the most cost-effective ways possible. More importantly, ATIS saves commanders time by providing an intuitive, one stop experience for Army training and readiness.

The Joint Force is also using ATIS applications to support global operations. Notably, the ATIS Range Facility Management and Support tool enables 30K training events per month in 142 global locations across the Army, U.S. Marine Corps, U.S. Navy, and Federal Law Enforcement.

Phase Three: System Integration and Migration

In January 2023, LMI began migration tasks, starting with acquiring information from legacy systems to establish the proper infrastructure required in the ATIS Operating Environment (AOE) to support migration. We assembled over 400 Army end users to support UX research and Soldier-centered design efforts, gathering continuous feedback to guide iterative development and ensure the platform met their needs in the field.

LMI integrated key legacy systems into the AOE. This included migrating systems from on-premises to the cloud and linking ATIS with authoritative data sources to ensure comprehensive data management and accessibility.

Phase Four: Validation and Operationalization

In April 2024, the ATIS Portal, built in the Army's AWS GovCloud environment, was made available to anyone with a CAC card, providing access to applications that were ready for use. In the following months, ATIS Learning debuted, followed by a preview of ATIS Training Management for user field testing.

Phase Five: Certification and Deployment

Starting in 2025, we partnered with the Army to implement Army Chief Information Officer (CIO) guidance, earning the Army's first Continuous Authority to Release and DevSecOps certification. These certifications enabled LMI to integrate commercial off-the-shelf, low-code/no-code solutions into the Enterprise ATIS architecture, further modernizing the applications available and delivering solutions to users faster.

Following a monthly release cadence, the team began replacing additional legacy capabilities with ATIS functionality while integrating other Army systems and applications into the AOE. Among the first to officially transition into the ATIS enterprise tool was the Army Software Factory's application, "Airborne Ready," which supports over 30,000 Army paratroopers deployed across the globe.

Based on positive feedback from unit commanders, ATIS availability was accelerated and immediately released to the 10th Mountain Division, followed by XVIII Airborne Corps and the rest of the Army throughout the fall of 2025.

LMI's partnership with the Army on ATIS represents a significant transformation in military training management and highlights the impact of strategic collaboration and agile development methodologies on large-scale projects. By integrating dozens of legacy systems into a streamlined, user-centered platform, LMI has helped drive the Army's modernization efforts, enhancing efficiency, readiness, and operational effectiveness at every level.

For more information

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