

A close-up photograph of a military uniform, specifically a green and brown camouflage jacket. A prominent feature is a rectangular patch of the United States flag, embroidered with yellow and red borders, attached to the fabric. The background is dark and out of focus, with two large, soft-edged circular bokeh lights in shades of brown and blue.

 **software** ^{AG}

U.S. Army

Staying in fighting shape with
enterprise architecture

Customer reference story

“Our goals and objectives have been approved all the way up to the Under Secretary of the Army. We have high levels of executive backing and leadership. Our objectives are to translate strategic business vision into effective change for the Army, to guide business investment decisions, to support continuous process improvement and BPR and to provide process content for authoritative and master data.”

– **Tim Hunnicutt**, Chief Architect, Army – Office of Business Transformation



Customer Profile

The U.S. Army is one of the largest military forces, and one of the largest employers, in the world. Its nearly 1 million Regular Army, Army Reserve, and Army National Guard personnel serve a critical national defense role, and strive to uphold the motto: “This we’ll defend.” As an institution with a history more than 200 years, the U.S. Army has maintained its elite fighting shape through constant modernization and world-class efficiency.

New challenges

- More efficiently translate strategic business vision into effective enterprise change
- Better guide IT investment decisions to “to-be” environments
- Enhance collaboration and support of core missions like HR, logistics, acquisitions and procurement
- Enable continuous process improvement
- Manage rising costs and a constrained budgetary environment

Software AG solutions

- Process and IT Transformation

Key benefits

- Achieved end-to-end business transparency
- Effective IT and process redundancy analysis
- Reduced operational costs
- Improved overall process efficiency
- Brought additional stakeholders onboard

The winds of military change

The military of the 21st century is built on data. Streaming in from drones, smart vehicles and wearables, information is needed for everything from exercise histories, to messaging, to collaborative training. Digitalization—bringing people, processes, and data together in fully connected environments—is mission critical for any government organization. But when it comes to your fighting force, there’s zero room for imperfection.

Data needs to be in real time, transformed through smart analytics, and updated from a hybrid of IT infrastructures and architectures. To be battle ready, the technical and personnel backend has to function like perfect weaponry. But with any business transformation, come risks. And with 17 end-to-end processes (hire-to-rotate, budget-to-report, procure-to-pay, etc.), 1,600 operational activities, 700 systems in its IT portfolio and four major ERPs, the U.S. Army needed a robust strategy if its transformation was going to go off without a hitch.

So in 2014, at the start of a five-year project to evolve its business enterprise architecture and streamline and manage its portfolio of business systems and processes—the U.S. Army utilized Software AG’s ARIS platform, a platform already time-tested in other Department of Defense (DoD) projects. ARIS is a core system within the Army’s Enterprise Knowledge Repository (EKR), which acts as a data integration hub pulling in data from the Army Portfolio Management System and DoD System mapping tool, then into the architecture. The EKR supports the data-intensive needs of effective business transformation at the Army by supporting redundancy and road mapping analysis. By adhering Enterprise Architecture into operational activities and other parts of the architecture, powerful and meaningful analytics can be performed.

The results: more efficient redundancy analyses were achieved with greater end-to-end process transparency—and dramatic reductions in operational costs allowed the U.S. Army to re-focus resources on new projects to more quickly achieve desired “to-be” states rather than simply keeping the lights on.

Transparency is where success starts

Business transformations are in vogue these days for good reason. But by analyst firm, McKinsey’s, estimates up to 70 percent of such projects fail. The primary reason? Lack of IT transparency.

Navigating this risk is why many enterprises put Software AG at the helm of their business transformation initiatives. With extensive experience running projects for government organizations and their specific needs, the experts at Software AG harnessed the power of ARIS to answer fundamental questions right from the start: How was the operational budget being spent in relation to the value of currently running systems? Which capabilities were mission critical, and how would those capabilities need to evolve in the years ahead? Given a strict budget and list of strategic priorities, which projects should be pursued and in what order?

To answer these questions, the U.S. Army categorized its data, analyzed its process dependencies, and identified its systems of record against core missions. This involved capturing information spread across disparate systems and in various formats, from email, to PDFs, to databases.

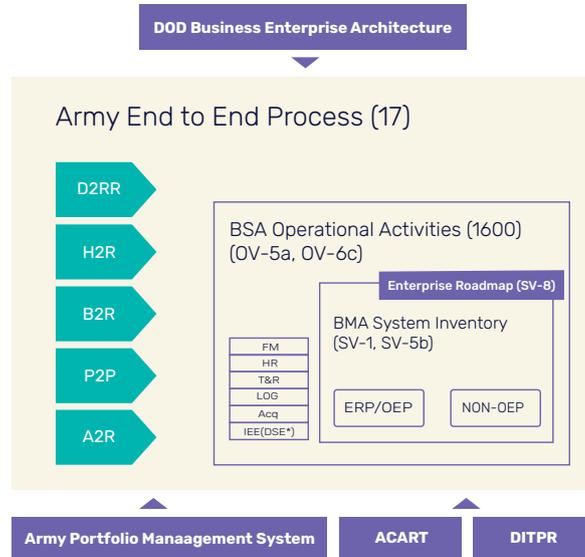
“Our tool is called the Enterprise Knowledge Repository,” said Tim Hunnicutt, Chief Architect, Army - Office of Business Transformation. “It is cored around the ARIS architecture tools, but it has substantial business objects, business intelligence capabilities built in. We use it as a data integration hub.” This let U.S. Army enterprise architects start charting current capabilities against expenses and process steps. Using flexible reports and visualization tools, architecture analysis was easier to present to stakeholders along the full chain of command. And this ensured that spending, particularly on IT and HR, was best aligned to mission objectives.

All onboard

The first half of the five-year transformation has seen many positive outcomes and has been integral in better decision making. And with ARIS demonstrating its value so consistently—the U.S. Army has moved to a new phase of its project, where ARIS Connect and its collaboration benefits are playing an increasingly important role in further expanding the EKR’s reach across new stakeholders.

The ability to deploy a thin client means implementation is easier to achieve across an organization as complex and hierarchical as the U.S. Army. And the fact that ARIS Connect is accessible to a whole range of users—not just technically minded enterprise architects—means everyone can contribute to unlock the U.S. Army’s trove of business data for untold potential.

That’s what we would call fast, fierce, and cutting edge—just the sort of fighting force you want.



ABOUT SOFTWARE AG

Software AG began its journey in 1969, the year that technology helped put a man on the moon and the software industry was born. Today our infrastructure software makes a world of living connections possible. Every day, millions of lives around the world are connected by our technologies. A fluid flow of data fuels hybrid integration and the Industrial Internet of Things. By connecting applications on the ground and in cloud, businesses, governments and humanity can instantly see opportunities, make decisions and act immediately. Software AG connects the world to keep it living and thriving. For more information, visit www.softwareag.com.

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