

Mainframe Modernization

Our approach to complex mainframe modernization is rooted in strategic release planning and a highly collaborative framework for stakeholder engagement, designed to deliver transformative solutions that align with our clients' long-term goals.

Principles that drive successful outcomes

Our methodology is grounded in four principles that instill confidence in our customers that their legacy systems will be modernized to meet their evolving needs.

- **Mapping functional areas to strategic releases:** We perform a comprehensive analysis of the existing architecture and business functions, enabling us to create a prioritized modernization plan that delivers the greatest impact for the mission.
- **Understanding the business:** We invest time in learning the intricacies of the business processes that the legacy systems support, to ensure all necessary functions are translated into the modernized system.
- **Communication and collaboration with stakeholders:** We regularly engage with stakeholders across all levels, from technical teams to business leaders, to ensure alignment and buy-in throughout the project lifecycle.
- **Target technical innovation to increase delivery speed and quality:** We apply the latest proven technologies to each solution, introducing advanced solutioning tools that are fit for purpose and allow engineers to focus on solving the hard problems. An example of this could be the judicious use of GenAI models to accelerate migrations with automated code analysis, test generation, documentation, and developer support tools.

Four-phased approach reduces risk

Our modernization approach is designed to deliver a lower-risk, efficient, and effective transition from legacy mainframe systems to modern, cloud-based architectures with minimal impact to the end users.

- **Discovery Phase:** We thoroughly assess the existing environment, identify high-level plan of multi-release development using large-scale agile methodologies.
- **Planning Phase:** We work closely with stakeholders to outline a high-level plan of multi-release development using large-scale agile methodologies. This collaborative planning process ensures that our modernization efforts are aligned with our client's organizational goals and operational continuity needs.
- **Implementation Phase:** We execute the modernization plan through iterative development, rigorous testing, and careful data migration. With each release, we create the components needed to ensure critical data is available to both the legacy and modernized systems.
- **Decommission Phase:** The Decommission phase marks the completion of the transition, where legacy systems are safely turned off only after successful migration and validation of all defined releases.

How we've helped our customers

Our team recently completed a complex, multi-year mainframe modernization effort for a key law enforcement agency that had proved challenging for prior teams. The success of this modernization enabled the agency to retire their mainframe, streamline operations, and save over \$30M annually in legacy system O&M costs.

Mission Driven Solutions

Mission Driven

We put the mission first and apply our first-hand experience and understanding to bring value to our clients.

Agile

Agile development is engrained in our culture to bring our clients features faster and to make changes as we go.

DevOps

We strive to create a culture to improve the organizations ability to deliver high-quality systems by leveraging DevOps principles to shorten the feedback loop and to drive continuous improvement.

User-Centric Design

We focus on understanding what the business needs and how the users want to work. This drives our design and development process to ensure that we maximize the business value for our users.

Security

Protecting sensitive data in mission-critical systems requires security principles to be applied early. We use secure coding principles and automated security scans to minimize our customers' exposure to security vulnerabilities.

Recognized Industry Leader



Partnerships



Federal Clients

- Department of Homeland Security
- U.S. Commodity Futures Trading Commission
- National Guard Bureau
- Army National Guard
- Joint Artificial Intelligence Center
- United States Army Corps of Engineers
- DARPA
- Consumer Financial Protection Bureau

Contract Vehicles

- GSA MAS IT SIN 54151S - Contract #47QTCA19D00JT
- Army Information Technology Enterprise Solutions-3 Services (ITES-3S) Contract # W52P1J-18-D-A073
- DHS ICE SWIFT - Collaborative Services IDIQ Contract # 70CTD022D0000010
- CFPB DDCM (Design, Development, Content and Marketing) - Pool 1 BPA Contract #9531CB23A0009
- JAIC DRAID BOA Contract # W52P1J-22-G-0045
- Navy SeaPort NxG Contract # N0017819D7510
- GSA MAS Schedule through our Novilo, LLC MPA JV- Contract # 47QTCA22D00DP
- GSA 8(a) STARS III - 8(a)/EDWOSB through AgiliTech, LLC MPA JV Contract # 47QTCB21D0441

Corporate

- Woman-Owned Business
- CMMI-DEV Level 3 Assessed
- ISO 9001 Certified/ ISO 27001 Certified / ISO 20000 Certified
- Top Secret Facility Clearance

