



AGILE. FOCUSED. PROVEN.

For over 20 years, Dynanet has been providing leading-edge technology solutions in the areas of **Enterprise Architecture, DevSecOps, Legacy System Modernization, Agile Application Development, System Engineering, Cloud Migration and Sustainment, Blockchain Enablement & Implementation, and Robotic Process Automation.** With aging system infrastructures, Dynanet is the trusted government resource to modernize legacy systems and applications instituting industry best practices such as Machine Learning, Artificial Intelligence and Robotics Process Automation.

National Aeronautics and Space Administration (NASA)

In support of NASA's Office of the Chief Information Officer (OCIO), Dynanet is developing strategies and policies to enable the alignment of the NASA OCIO IT Portfolio vision with the mission needs of the 10 NASA Centers. Dynanet is reviewing manual processes and applying Robotics Process Automation (RPA) solutions. Dynanet's approach to identify candidates for automation is iterative with constant validation and feedback from NASA mission stakeholders to ensure NASA mission and business alignment.

In addition to the RPA project, Dynanet is working with NASA CIO to develop and deploy a Portfolio and Program Management (PPM) tool, hosted in AWS, that will align IT budget, mission needs, and IT project features to provide insight into the value of NASA current and forecasted IT projects. With the PPM tool, NASA program and project managers will track project spend, timeline, and functionality in a new and more efficient manner. Since project kickoff, Dynanet has been working with dozens of NASA stakeholders on how their program and project tasks will be augmented due to the use of the PPM tool. Dynanet has weekly stand-up, monthly meetings, and quarterly round table discussions to help gather NASA user community feedback to ensure a smooth transition as new features are introduced.

General Services Administration (GSA)

Dynanet Corporation has a long history of supporting the General Services Administration (GSA) focusing on leading-edge technologies, innovation and high-quality products and services. Dynanet's expertise spans over multiple functional areas ranging from Operations and Maintenance (O&M) to Amazon Web Services (AWS) Cloud solutions implementation to applications development and deployment. Dynanet provides design, development, testing and systems integration testing of enhancements to GSA's existing core applications to augment or correct functionality, as well as, administration of the core system applications and



Contract Vehicles

GSA Schedule 70

GS-35F-5863H

GSA Alliant Small Business

GS-06F-0659Z

Joint Venture DNT Solutions LLC

GSA 8(a) STARS II

GS-06F-1233Z

Joint Venture SVD STARS II, LLC

GSA VETS GWAC

GS-06F-0513Z

Joint Venture DV United, LLC

GSA Health IT SIN

GS-35F-003CA SIN 132-56

CMS SPARC

HHS-500-2017-000221

NAICS Codes

541511 • 541512 • 541513 • 541519
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operational tasks such as database tuning and data warehouse optimization. The scope of our application support spans over 17 legacy applications leveraging an Agile development approach, and over 70 tools and programming languages (such as Java, SOA, SQL, Jboss) to facilitate rapid product development, as well as building Cloud-native solutions in order to improve efficiency, scalability, and resilience. Dynanet staff provide direct support for conversion of SAP IQ schemas to AWS Redshift service, as well as a major migration of database servers to the AWS Cloud, while adhering to security best practices (such as encryption of data in transit and at rest).

Leveraging ITIL v3, Dynanet provides change management in support of the CAMEO portfolio. Dynanet's change management team provides rigorous release management cycle before promoting application components into the IT production tier. These applications represent well over 19M lines of code and approximately 600 releases per year. Additionally, Dynanet provides software enhancements, maintenance, and technical leadership support for internal and external GSA systems. These systems reach tens of thousands of users and are critical to the success of GSA. Furthermore, Dynanet assisted GSA's move from the traditional Quarterly Waterfall process to a biweekly/monthly Agile approach. GSA requires this support to operate its portfolio of applications while modernizing and streamlining the portfolio, to reduce the interconnectedness of systems and environments. This is in support of a grand plan to migrate legacy systems to a more robust and cost-efficient platforms, leveraging both in the Cloud and within GSA's service center. Finally, Dynanet provides Tier 3 applications support on a 24/7 basis for all business line portfolios, as well as, working closely with GSA IT helpdesk, the individual business line helpdesks, and application stakeholders.

Office of Personnel Management (OPM)

Since 2008, Dynanet has provided software development services to OPM's National Background Investigations Bureau (NBIB). Each year, OPM NBIB provides over 90% of the Government's background investigations, conducting over two million investigations a year for most Government Agencies and the Department of Defense. Dynanet has led the transition of OPM from waterfall to Agile to DevOps methodologies. DevOps is an effective way for OPM to bridge the gap between developing and operationalizing applications. As DevOps matured and more applications were refactored, OPM adopted DevSecOps, infusing security throughout application development, operations, and maintenance. Today, Dynanet continues to integrate DevSecOps practices at OPM and is providing infrastructure-as-code based configuration management, as well as a secure automated code deployment pipeline.

Dynanet implemented Red Hat OpenShift for OPM's Office of the Chief Information Officer — enhancing OPM's DevSecOps practices. Dynanet is using Red Hat OpenShift to automate, orchestrate, scale, and convert OPM's applications to an application container environment deployment. Dynanet's approach increases the reliability and maintainability of OPM critical applications. It enables OPM to extract greater value from operations and development teams, ensures more frequent software deployments through faster application development cycles, and lowers IT operations costs. This environment enables micro-service level application calls to support higher transaction volume in a distributed server environment. Dynanet's DevOps security practices adapt to the new landscape and align with container-specific security guidelines. Because cloud-native technologies don't lend themselves to static security policies and checklists, security must be continuous and integrated at every stage of the app and infrastructure life cycle. This project will set the stage for future secure modernization efforts throughout OPM.

Tools and Programming Languages

Dynanet uses a wide range of tools and programming languages in support of our customers' needs. The following are a subset of the specific tools we currently are using:

- **Continuous Integration and Continuous Deployment (CI/CD)**
- **Docker**
- **Kubernetes**
- **Jenkins**
- **SonarQube**
- **Git**
- **Fortify**
- **WebInspect**

Customers



U.S. AIR FORCE



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