Netlogic Solutions
Connecting Logic with Technology

Corporate Capabilities for 2024

Who are we?

Netlogic Solutions, Inc. (NSI) is a Minority-Owned Small Business that specializes in providing high-quality Information Technology services and solutions to federal agencies and commercial organizations. With over 20 years of experience, we have established ourselves as a trusted partner for clients seeking innovative and efficient IT solutions.

What can we do?

We offer a broad range of IT services, including software development, cloud solutions, cybersecurity, data analytics, and project management. Our team of experts is skilled in the latest technologies and is committed to staying up-to-date with the latest industry trends and best practices.

Merits

Our current GSA Schedule IT 70 (#: GS-35F-388DA), and GSA 8(a) STARS III (#: 47QTCB21D0322) contract vehicles, enable us to provide our services to Federal agencies with ease. We are committed to providing our clients with the highest level of customer service and satisfaction.

Merits

At NSI, we understand that every client is unique, and we work closely with our clients to understand their specific needs and develop customized solutions that meet their requirements. Our CMMI Level 3 certification (Dev, Svc) and ISO 9001, ISO 20000, and ISO 27001 certifications demonstrate our commitment to delivering high-quality services that meet or exceed our clients' expectations.

Netlogic Values

We are proud to be a Minority-Owned Small Business and are committed to providing opportunities for diverse talent in the IT industry. We believe that diversity and inclusion are essential to our success, and we strive to create an inclusive workplace culture where everyone can thrive.

NSI is dedicated to delivering innovative, efficient, and effective IT solutions to our clients. Contact us today to learn more about how we can help your organization achieve its goals.

Netlogic Certifications

Solutions we bring to the table

1 **Software/Application Development:**

Our Software/Application Development solutions can solve clients' problems by providing tailored solutions that address specific business needs, improving efficiency, productivity, and customer engagement, while reducing costs and complexity.

2 **IT Modernization:**

Our IT Modernization solutions can solve clients' problems by updating outdated technology, increasing efficiency, agility and security, reducing operational costs, and providing access to the latest innovations and capabilities.

Solutions we bring to the table

3

Data Management Services:
Our Data Management Services can solve clients' problems by ensuring data quality, availability, and security, improving decision-making, compliance and operational efficiency, as well as reducing risks and costs associated with data management.

4

Cloud Services, Migration & Computing:
Our Cloud Services, Migration & Computing solutions can solve clients' problems by providing scalable and flexible infrastructure, reducing IT costs, improving accessibility and data security, and enabling innovation and faster time-to-market for new products and services.

Solutions we bring to the table

5 **Quality Assurance and Quality Control:**

Our Quality Assurance and Quality Control processes can solve clients' problems by ensuring the quality and reliability of products and services, improving customer satisfaction, reducing costs associated with defects and rework, and ensuring compliance with regulatory and industry standards.

6 **Independent Verification and Validation:**

Our Independent Verification and Validation solutions can solve clients' problems by ensuring that products and services meet requirements, are reliable and effective, and are compliant with standards and regulations. This improves overall quality, reduces risks, and ensures customer satisfaction.
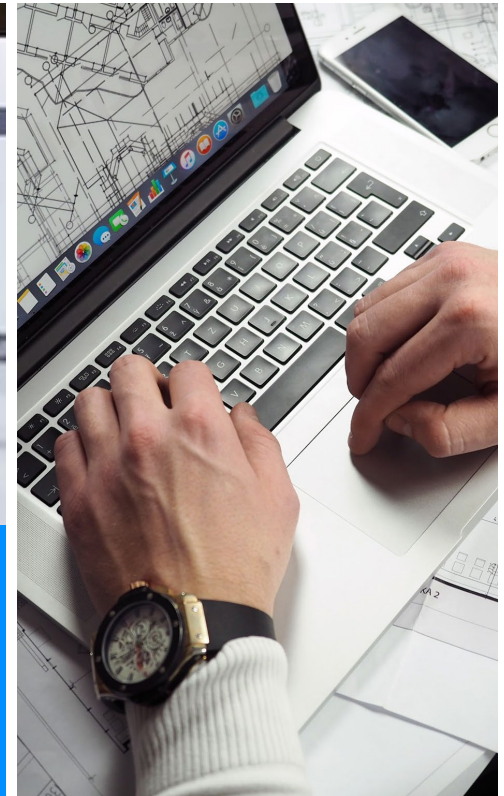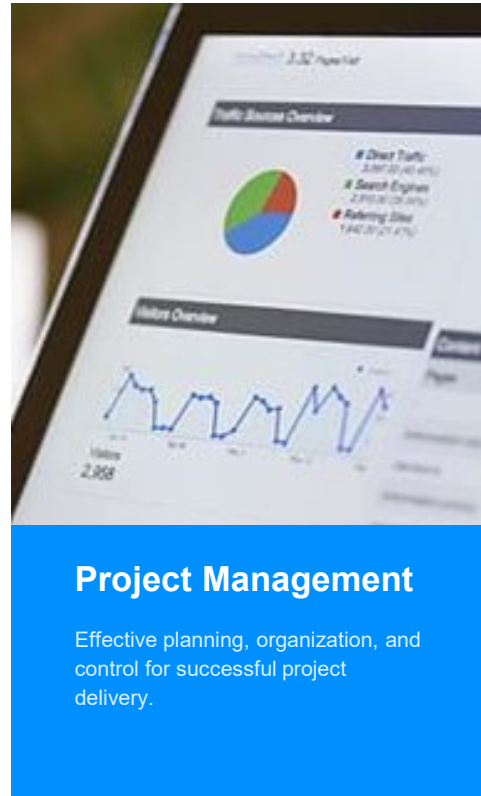
Solutions we bring to the table

7 **Project Management Services:** Our Project Management Services can solve clients' problems by providing effective planning, organization, and control of resources and activities, ensuring on-time and on-budget delivery of projects, and reducing risks and costs associated with project management.

Project Management Capabilities

- Business and Technical Needs Assessment
- Functional and Requirements Analysis
- Project Planning
- Project Health Checks and Reviews
- PMO Design, Setup and Execution
- Project Portfolio Analysis
- Earned Value Analysis
- Project Risk Analysis

Project Management

Effective planning, organization, and control for successful project delivery.

Methodologies & Tools Capabilities

- PMBOK Standards

- Waterfall

- Agile / Scrum

- MS Office, Google Suite,
  Cloud Delivery Solutions

Security

Securing the network and physical security along with user education is a must.

Our Customers: Public Sector

- US Dept. of Labor (DOL)
- US Dept. of Agriculture (USDA)
- Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)
- Environmental Protection Agency (EPA)
- US Patent and Trademark Office (USPTO)
- General Services Administration (GSA)

Our Customers: Private Sector

- Comcast
- Motorola
- TravelClick
- Rexam
- US Foods
- Allstate
- HSBC Bank
- JP Morgan Chase
- Harris Bank

Netlogic Partners

Our Projects – DOL

Job Corps: Unified Management System (UMS) (2020 to Present)

Netlogic provides the DOL Office of Job Corps (OJC) and Office of Financial Administration (OFA), with a Unified Management System (UMS) to modernize its budget planning, financial management, and reporting capabilities.

NSI provides a unified solution to replace the functionality of existing systems (e.g., JFAS). UMS receives data from three sources currently fed into JFAS- NCFMS (DOL's financial management system of record), AMS (DOL's procurement system), and JCFMS (tracks Job Corps centers' contract spending). We designed a data layer to streamline and standardize incoming financial data and the customized tools sitting on top of this data layer.

Our Projects – DOL

Job Corps: Unified Management System (UMS) - Continued

Three steps make up the UMS ETL process and enable data to be integrated from legacy source to destination. These are data extraction, data transformation, and data loading. UMS manages data from different sources and uses **Azure Synapse Analytics** to produce BI. To make a complex data strategy like this work, the data must be able to travel freely between systems and apps.

Before data can be moved to a new destination, it must first be extracted from its source. In this first step of the ETL process, structured and semi-structured data is imported into Azure Synapse Analytics through REST API and consolidated into a single repository called Azure Blob Storage. This raw data is extracted from JFAS, AMS, NCFMS and JCFMS (future) sources. As a second step incoming data from these different sources will be ingested into **Azure Blob Storage** to be loaded to the UMS Staging. The loading process will be performed using Azure Synapse Analytics data integration pipeline. While in this stage, transformation and business logic implementation will be applied, such as data type conversion, any derived columns based on business logic and data cleansing, etc. The last stage in this process is loading the data from the staging environment into the final dimensional model environment…

Our Projects – DOL

Job Corps: Unified Management System (UMS) - Continued

Netlogic oversees all aspects of the UMS project and ensures all key areas of delivery are executed to the DOL's standards. We provide consistent management and tracking of project activities and schedules, gathering business and functional requirements, developing project implementation timelines, monitoring software configuration, defining and implementing User Acceptance Testing (UAT) plans, performing regular status reports, and working with the DOL to define success and risk criteria for the project. We track all project financials.

NSI ensures all informative outputs are accessible via mobile applications or interfaces (phones, tablets) to provide on-the-go insight to a variety of data end users. We provide written documentation detailing our application development, patch management, and update processes. We configure the COTS software and develop/update the system interfaces (NCFMS, AMS, FMS, legacy JFAS) as well as the custom system enhancements. We perform technological impact analysis and risk assessment analysis between the current (Job Corps) and future state (UMS) of application architecture.

Our Projects – DOL

Employment and Training Administration (ETA), CM/QA/IV&V Services (2016 - 2017)

Netlogic performed Project Management, Software Configuration Management (CM), Software Configuration Analysis, Software Applications Systems Administration, Quality Assurance (QA), Quality Control (QC) and Independent Verification and Validation (IV&V) on more than thirty applications at DOL ETA.

NSI monitored and controlled Information Technology (IT) environments, developmental processes, product releases, and quality product testing by ensuring that products are consistent, aligned and meet functional and physical attributes of the customer requirements for more than thirty applications. Applications supported include all systems for the Office of Unemployment Insurance (OUI) and Office of Foreign Labor Certification (OFLC).

Our Projects – DOL

Employment and Training Administration (ETA), CM/QA/IV&V Services (2016 - 2017)

Netlogic testing services include static and dynamic functional and regression testing & verification; static and dynamic application security testing; Section 508 compliance testing (in compliance with DHS Trusted Tester processes and tools); performance and load testing; web portal testing, defects (bugs) reporting techniques; monitoring updates to baseline configurations; and configuration status of the enterprise IT environment.

Our Projects – DOL

Employment and Training Administration (ETA), CM/QA/IV&V Services (2016 - 2017)

Netlogic performed IT Asset Inventory Management including documenting, and maintaining system inventories including the manufacturer, model number, serial number, software license number, system/component owner.

NSI used automated tools including OPManager, NetFlow Traffic Analyzer, Security Manager Plus, Asset Explorer CA, Inc., Software Change Manager, CMDB, Service Desk, Service Catalog, Hewlett-Packard (HP) Application Lifecycle Management Suite, Quality Center, LoadRunner, and QuickTest Professional/Unified Functional Testing.

Our Projects – USDA

Food & Nutrition Service (FNS), Project Management Services and Support (PMSS)
(2018 - Present)

Netlogic provides Project Management (PM) support to WIC Program Integrity and Monitoring Branch (PIMB) on a variety of OIT projects, ensuring tasks are conducted in cooperation with PIMB and in compliance with applicable FNS and USDA Departmental mandates, policies, and guidelines.

NSI staff conducts business need gathering and analysis, generated functional requirements, and drafts the PWS for new contracts offered by our client for bid.

NSI staff monitors and tracks OIT projects in O&M and active development phases, and ensures the deliverables were quality checked and content verified.

Our Projects – USDA

Food & Nutrition Service (FNS), Project Management Services and Support (PMSS) - Continued

Netlogic assists in managing the other contract teams, for various projects, during all phases of system development from writing the PWS through final system closeout.

NSI provides a variety of services including review of deliverable documents; requirement gathering, development and documentation; software testing for QA and UAT phases, Jira ticket verification and validation; technical evaluations of tools and solutions, keep track of deliverables, milestones, and deadlines; and draft document content for deliverables required of the client.

NSI supports six different OIT projects concurrently.

Our Projects – USDA

Food & Nutrition Service (FNS), Professional Standards Training Tracker Tool System (PSTTT) Development, Operations, and Maintenance (2017-2018)

Netlogic developed, enhanced, and maintained the Professional Standards Training Tracker Tool (PSTTT) 2.0 using Agile development methodology.

PSTTT assists school nutrition professionals and State agencies with recording, tracking and managing the required training hours in four key areas to meet the requirements of the Healthy, Hunger- Free Kids Act of 2010 (HHFKA) Professional Standards Rule. PSTTT is an intuitive easy-to-use web-based application used by an audience that varies widely in technical resources and knowledge.

Our Projects – USDA

Food & Nutrition Service (FNS), Professional Standards Training Tracker Tool System (PSTTT) Development, Operations, and Maintenance (2017-2018)

Netlogic redesigned a poorly designed system by improving system design and increasing system scalability.

NSI developed the system in .NET, Microsoft SQL Server database. Visual Source Safe was used for configuration management. Jira was used as the Agile development automated tool. NSI complied with CMMI Maturity Level 3 processes in the implementation of this program.

NSI implemented the application development and quality control environments in the Amazon Web Services (AWS) IaaS environment.

Our Projects – DOJ ATF IISD

Department of Justice (DOJ), Bureau of Alcohol, Tobacco, Firearms & Explosives (ATF), Intelligence and Information Systems Division (IISD), Data Cleansing Project (2016)

Netlogic supported the National Field Office Case Information System (NFOCIS), a case management system used to document, track, and collect investigative information in support of ATF's law enforcement mission, strategic goals, program initiatives, and field activities.

NSI developed a reproducible/repeatable methodology for data quality analysis and enhancement using the Qbase Data Transformer Tool. Data quality analysis uses a series of templates to quickly determine ways the data may be deficient in accuracy, completeness, or semantic correctness. Data quality enhancement analyzes available outside data sources, including the quality of those sources, and determines the best way that data can be used to correct invalid or missing data elements in the target system.

Our Projects – DOJ ATF IISD

Department of Justice (DOJ), Bureau of Alcohol, Tobacco, Firearms & Explosives (ATF), Intelligence and Information Systems Division (IISD), Data Cleansing Project (2016)

Netlogic cleaned the data of Social Security Numbers, Names, and Address in both N-Force and N-Spect databases using the Qbase data tools.

These processes were self-monitoring and self-logging to ensure that the overall data quality process can be held to the highest levels of traceability.

NSI developed/supported the system using tools including, but not limited to, the Qbase (COTS) data transformer, XML, HTML, and Oracle.

Our Projects – EPA

Office of Administration Services (OAS) Information System (OASIS) (2015 -2016)

Netlogic provided software systems enhancement and sustainment services for applications for more than forty (40) software systems accessible via the OASIS web portal supporting all EPA personnel.

The OASIS computing infrastructure consists of Microsoft Windows servers, Oracle and SQL Server databases, as well as ColdFusion, Adobe Flex, Java and PHP technologies.

Our Projects – EPA

Office of Administration Services (OAS) Information System (OASIS) (2015 -2016)

Netlogic assisted with the design, development and deployment of a comprehensive web portal environment for all of OASIS software modules using a Content Management System (CMS) using Drupal.

NSI supported Help Desk Services providing direct support to system users.

In support of improving customer care, NSI recognized the need to automate and implemented password reset functionality for the OASIS environment reducing monthly calls from approximately 800 to less than 200.

Employment and Training Administration (ETA) Senior Community Service Employment Program (SCSEP) Performance and Results QPR System (SPARQ) (2013 - 2022)

SPARQ is a Case Management System that provides DOL ETA) with an automated system of managing grantee participant data.

SPARQ provides a consistent, timely, and appropriate service to SCSEP's grantees to electronically enter or submit participant data including entry, training, and exit and evaluation metrics.

SPARQ automates the Quarterly Progress Report (QPR) process for generating, displaying and officially approving QPRs for grantees each quarter and a summarized annual QPR. SPARQ provides ability to record participants training data along with their hours and several reporting functions to be used by DOL/ETA, grantees and sub-grantees, and designated analysts

Employment and Training Administration (ETA) Senior Community Service Employment Program (SCSEP) Performance and Results QPR System (SPARQ) (2013 - 2022)

Netlogic converted a distributed Client/Server system to a centralized web enabled Case Management System not only by ensuring different browser compatibility (IE, Chrome, Firefox, Safari) but also mobile responsive functionality across all smartphone/tablet platforms (namely iOS, Android, and Windows).

NSI implemented a cloud computing system for SPARQ using machine-centric services that provided on-demand infrastructure services, also known as the Infrastructure as a Service (IaaS).

SPARQ is developed in ColdFusion, JavaScript, HTML, Oracle 12c while Fine Grained Access Control, Development, Test and Pre-Production environments reside in a cloud IaaS.

Our Projects – USPTO

Database Implementation and Enhancements (PALM and IFW) (2013 -2015)

PALM database is one of the critical databases at USPTO. Many of the applications hosted at PTO interact with the PALM database including the Private and Public PAIR, IFW. The PALM database was running on unsupported Oracle software version 9.2.0.8 on a single node. The database goes through manual shutdown every single day to make a cold copy of the database to another server where the reports are run. The database itself was running into several performance problems besides the server issues.

NSI designed and configured a 2-node RAC for the primary PALM database and a secondary 2-node RAC for reporting database, WEBTA, and portal databases using Oracle 11gR2.

Our Projects – USPTO

Database Implementation and Enhancements (PALM and IFW) (2013 -2015)

To minimize the downtime for migration, Netlogic used GoldenGate to replicate the data from the 9i database (running on HP-UX) to 11g RAC database (running on RHEL 5.6) so the data was kept in sync between 11g RAC database and the 9i database. This replication configuration was removed once the migration was complete.

NSI implemented Oracle GoldenGate replication between the primary PALM database and PALM reporting database, as well as between the PALM database and public-facing PATXPUB (Public PAIR) database.

Our Projects – USPTO

Database Implementation and Enhancements (PALM and IFW) (2013 -2015)

IFW is the largest Oracle database at USPTO (80 TB in size), and it was running on 10gR2 on AIX. As part of the IT standardization on RHEL platform the database had to be migrated from AIX to Linux and, at the same time, upgraded from Oracle 10gR2 to 11gR2.

NSI set up and configured Oracle 12c cloud control and also configured compliance so that all the databases are set up to meet Federal CIS security requirements

Our Projects – Private Contracts

IT Project Management Services for Comcast, Motorola, US Foods, HSBC Bank, and other private sector businesses (2010-2017)

Netlogic provided full lifecycle information systems project management applying Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK) processes.

NSI PM services manage custom applications development for CRM projects such as Salesforce (SFDC), as well as development/deployment of enterprise portal projects using the latest microservice architecture implementation in order for private sector businesses to better manage teams of personnel.

Our Projects – Private Contracts

IT Project Management Services for Comcast, Motorola, US Foods, HSBC Bank, and other private sector businesses (2010-2017)

Netlogic managed teams responsible for analysis and design: assessed the impact on SFDC for overall changes, revalidated the scope with the stakeholders, prepared detailed design specifications, prepared data migration strategy, developed detailed design documents.

NSI managed development team performing configuration & code changes, data extraction & data migration, reviews and unit testing, prepared system integration test (SIT) Test Scripts, closed SIT defects and revalidated, prepared customer acceptance test (CAT) scripts, coordinated CAT, provided acceptance testing support, and fixed CAT defects.
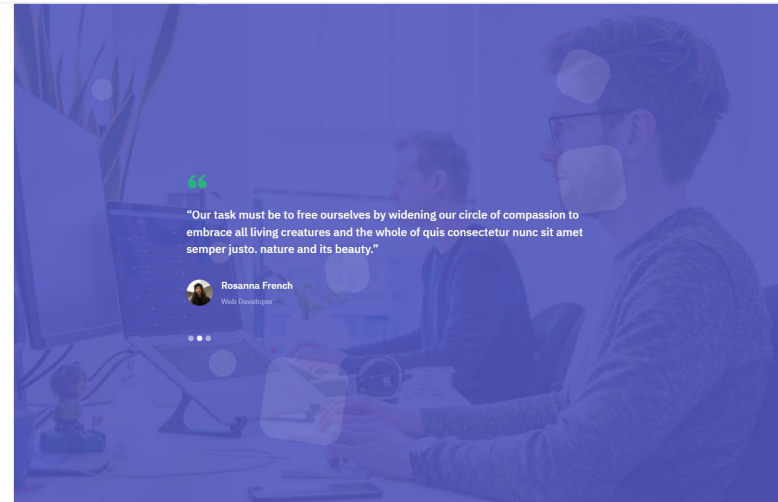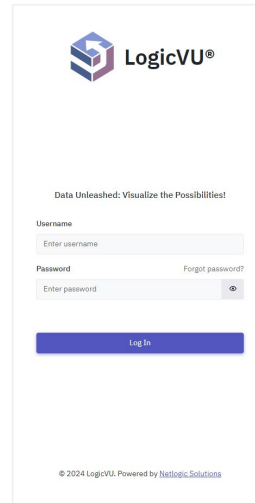
NSI performed deployment planning, prepared a data migration checklist and implementation plan, migrated data to pre-prod and production environments, monitored production environment, and supported system documentation, including training and help manuals.
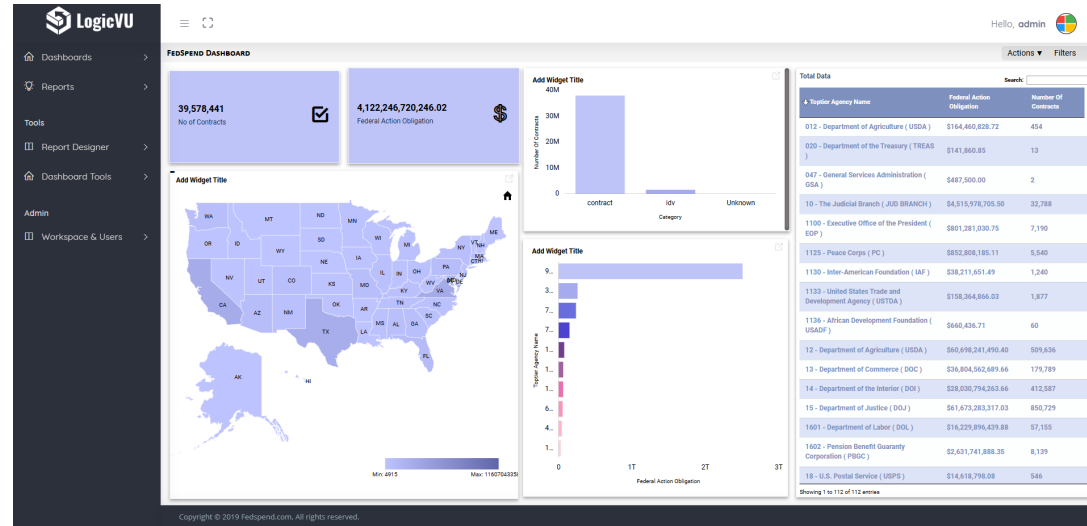
Our Product – LogicVU®

LogicVU, Netlogic's custom-built BI tool, is an application architecture that seamlessly integrates multiple applications, creating a unified user experience. It can combine business intelligence, data visualization, and BPM tools to streamline processes, accelerate development, and drive informed decision-making.

With cloud-based accessibility and centralized user management, LogicVU® offers scalability, flexibility, and efficient authentication across the applications. It empowers organizations to digitize workflows, improve productivity, and adapt to evolving business needs. By providing a comprehensive suite of tools, including data integration, collaboration, mobile support, and analytics, LogicVU® enables efficient application design, deployment, and management, promoting collaboration, and facilitating data-driven insights for enhanced organizational efficiency.

LogicVU®

Data Unleashed: Visualize the Possibilities!

Username
Enter username

Password   Forgot password?
Enter password

Log In

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"Our task must be to free ourselves by widening our circle of compassion to embrace all living creatures and the whole of quis consectetur nunc sit amet semper justo. nature and its beauty."

Rosanna French
Web Developer

Core Strengths

- 100% web-based solution
- Real-time analytics
- Provides for robust predictive analytics
- Next generation visualization
- Manages large volume data processing
- Robust decision support
- Deep learning and artificial intelligence
- Portable solution
- Cloud or on-premise installation
- Cost effective based on competitive tools

FedSpendVU
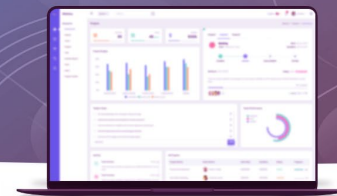## A Government Procurement Data Tool
Powered by LogicVU®

Netlogic built a SaaS offering called FedSpendVU (fedspendvu.com on LogicVU® architecture) that provides a robust data intelligence platform that is useful and affordable. Our "Explore Spending Data" app shows the flow of spending from government agency to contract vendor. Simplify your reporting by filtering results by fiscal year, NAICS code, and Set Aside label. NSI uses a "holistic" approach in assisting its clients in assessing their unique needs and then offering solutions best fit to meet required objectives.

Streamline Government Procurement Research with FedSpendVU

Simplify your government procurement research with FedSpendVU's intuitive data tools. Seamlessly sift through vast spending data and find the insights you need quickly.

Explore Spending Data

Simplify Analysis with FedSpendVU

Discover how FedSpendVU simplifies government spending analysis. We aggregate data from multiple sources, providing comprehensive insights and streamlining targeted research for users.

Analyze Data

Analyze data to uncover valuable insights that drive decision-making and optimize strategies.

Visualize Your Insights

FedSpendVU showcases outcomes using dynamic and visually captivating dashboards and reports, delivering interactive insights and real-time data visualization to users.

Interactive Dashboards

Effortlessly explore and analyze data directly on our website. Customize your view and uncover insights with ease.

Explore Services

FedSpendVU simplifies access to government spending insights by aggregating data from sources provided by the US government, using business intelligence tools for efficient navigation and targeted research.

FedSpendVU
A Government Procurement Data Tool
Powered by LogicVU®

FedSpendVU aggregates data from publicly available data sources including FPDS and USASpending. The data aggregation and visualization tools available within FedSpendVU present the data in a way that is easy to consume. Users can filter the data down to what they need through a self-explanatory, visualization-based interface. Users can also explore the data to serendipitously uncover other opportunities. With data in one easy-to-access place, users can focus their time and research efforts on discovering the insights they need for that competitive edge.

Year	Set Aside Type	National Interest Type	NAICS ⓘ	DUNS ⓘ	UEI ⓘ	
2023	Select Set Asides	Select National Interest Action	Enter NAICS	Enter DUNS	Enter UEI	Apply Reset

All Spending [1 / 1]

All: $213.884B

97 - Department of Defense (DOD): $95.396B

89 - Department of Energy (DOE): $30.156B
36 - Department of Veterans Affairs (VA): $14.009B
80 - National Aeronautics and Space Administration (NASA): $9.842B
75 - Department of Health and Human Services (HHS): $3.639B
19 - Department of State (DOS): $3.284B

Visualize and conquer!

Embrace the power of data with our extensive library of vibrant visualization tools. Take charge and explore procurement data your way, shaping insights with unparalleled flexibility and ease. See the data, use the data, and let your insights soar!
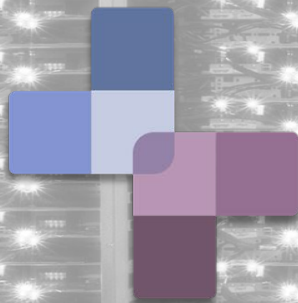
Sign Up

FedSpendVU

Leadership

Raj Gantaram
President & CEO

Raj Gantaram is a successful entrepreneur, visionary at Netlogic Solutions and an accomplished process, project, and program management professional with more than 20 years of IT and business management experience.

Mr. Gantaram, the President, CEO and Founder of NSI, has demonstrated a track record of successfully leading business and technical initiatives at both commercial and federal agencies from strategy inception through full life-cycle development and business case realization.

His assignments have included facilitating leadership at the executive level and working with line management to enable transformational improvement initiatives resulting in measurable and sustainable business gains.

Mr. Gantaram has obtained a M.S. degree in Engineering at Texas Tech University, and can be reached at 703.261.3774 and rgantaram@netlogicsolutions.com.

Netlogic Solutions

Connecting Logic with Technology

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