



DATA ANALYTICS

Digital Transformation for the Competitive Edge

Digital transformation is necessary in today's world. The amount of data available can be overwhelming, but if analyzed and used correctly, data can be the key to drive actionable intelligence, rapid decision-making, and successful business outcomes. Digitally driven organizations can streamline operations at a much quicker pace by changing operating models, business processes, democratizing the workforce, instilling sustained workforce agility, and empowering staff to adapt and thrive in rapidly changing environments. This digital transformation is powered by a robust IT stack, including cloud computing, Artificial Intelligence (AI), Machine Learning (ML), process automation, strong data practices, and the Internet of Things (IoT). A decrease in computational and storage costs, an increase in processing power, and the growth of the Internet have made digital transformation not only possible, but necessary for achieving the competitive edge in the current technology landscape.

Capabilities

- Digital Transformation
- Cloud-Enabled Business Processes
- Data Accessibility
- Data Science & Analysis
- Big Data Management
- AI/ML Algorithms
- Workforce Change Management
- Mission Data at the Edge
- Data Lake Implementation
- Data Pipeline Automation

Data Analytics Drives Actionable Intelligence and Rapid Decision-Making

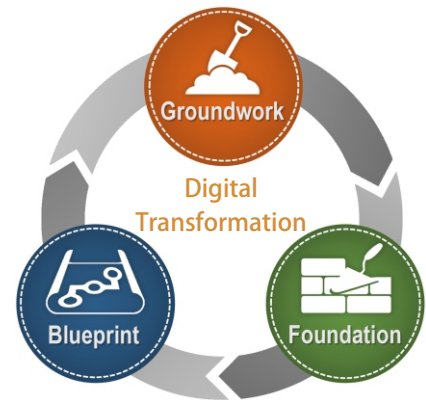
Modern Digital Capabilities to Assure the Mission

How can organizations take advantage of the competitive edge that transformation has to offer? Accessibility, security, and effective use of cross-organizational data supports rapid, accurate decision-making and system behavior predictions. However, organizations often struggle to extract meaning from their data and provide timely, effective decision support that steers organizational outcomes and outpaces the competition. Smartronix can help organizations overcome digital challenges to assure mission success. We provide exceptional value with our end-to-end digital solution architectures. Using proven data management practices to design (Blueprint), prepare (Groundwork), and execute (Foundation) legacy-system modernization and modern digital infrastructures. We leverage cutting-edge technology and tools to deliver solutions that work for emerging needs, including:

A few of our Contracting Vehicles:

- GSA Alliant 2
- OASIS (Pools 1, 3, 4)
- NITAAC/C10-SP3
- SeaPort-NxG
- DIA SITE III
- AAFES
- RS3
- GSA Schedule 70
- DOI-FCHS

- Designing and building data centers
- Migrating workloads to the Cloud (hybrid and cloud-native approaches)
- Developing architectures that leverage native data systems
- Designing landing zones, data lakes, and data hubs
- Deploying open-source commercial data platforms and warehouses in complex security environments
- Analyzing and visualizing data using open-source tools to provide targeted decision support for executive leadership teams
- Providing end-to-end digital infrastructure and data management solutions that support big data analysis, AI, and ML algorithms to assure capability at the edge



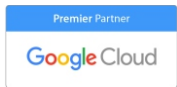
Leading Workforce Transformation

As data-driven decision-making and the underlying digital strategies that enable transformation reshape organizations, Smartronix leads organizational change management and workforce re-purpose efforts. Our experienced team works with customers to re-balance and expand their workforce capabilities to achieve agility and dexterity for a rapidly changing digital environment. This transformed workforce helps organizations adapt and strengthen their core capabilities to address the shifting landscape of digital transformation and naturally migrate to their evolving mission needs.

Data Architectures and Analytics for Critical Tasks

Smartronix is an award-winning cloud solutions provider with Premier Partner status in all three hyperscaler cloud platforms (AWS, Microsoft® Azure, Google Cloud) and has achieved authority to operate one of DoD's first Defense Information Systems Agency (DISA) Impact Level-6 (IL-6) classified cloud-hosted environments. Our ability to deliver cloud-native solutions allows us to provide vendor-agnostic advanced data analytics. We create unique solutions, proven in DoD and commercial environments, leveraging our cloud expertise to empower customers with rapidly deployed, right-sized, scalable solutions and data networks to fit specific and unique needs and missions.

Real-time data streams and advanced edge computing environments have transformed data movement from a model of collection-storage-retrieval to instantaneous decision analytics reinforced by accessible models, tools, and AI/ML algorithms. Cloud hosting enables speed and off-loading of critical infrastructure and provides access to world-class data models and analytics tools. Rather than locking customers into single vendors, licenses, and software platforms, cloud environments support subscription-style services that enable nodal access to hundreds of mission-appropriate applications and models. This relieves the management, configuration, and security burdens of traditional architectures. For edge assets, cloud architecture enables localized computing and processing resources for time-sensitive, tailored solutions to customers who are unable to maintain continuous connectivity to centralized, mission-critical repositories.



PROGRAM SPOTLIGHT | Naval Aviation Enterprise (NAE)

In support of the NAE, to increase mission-ready aircraft on the flight line (for both Navy and Marine Corps platforms), Smartronix and HBM Prensicia (partnered with NAWCAD) are designing Naval aviation's first enterprise-wide Common Failure Reporting and Corrective Action System. The platform leverages more than five legacy logistical databases and allows eight statistical analysis tools to run against this cloud-hosted, aggregate dataset. NAE now has the power to identify reliability degraders and decrease unscheduled aircraft maintenance in a consistent, repeatable fashion. The digital platform combines terabytes of data that the toolset analyzes to identify chokepoints and failures, revealing systemic supply and part-failure issues, and predicting statistically accurate scheduled maintenance plans. Identical analyses previously required a multi-person team weeks to accomplish. The team can now use its time to investigate the causes of failures, rather than scoring and reconciling data. This analysis capability is critical to the NAE mission and to the success of our warfighters.



PROGRAM SPOTLIGHT | Pandemic Response Accountability Committee (PRAC)

The PRAC required a rich and immersive website to empower public engagement and provide insight into the use of Coronavirus Aid, Relief, and Economic Security (CARES) Act funds. The PRAC was established to promote transparency and oversight of the approximately \$2.6 trillion in economic relief and other funding provided by the Federal Government to U.S. citizens, businesses, medical providers, and impacted industries as a result of the COVID pandemic. The Smartronix team helped the PRAC to redesign and launch the new site in less than seven weeks. Our team wanted the data to be inviting and easy to use; and we brought in the best data visualization tools, Designers, Geospatial Experts, and Fraud and Analytics Reporting Experts to develop a robust platform that PRAC can use to provide real-time information and tools to the public. PRAC now has a robust data repository and a website to empower public engagement and provide insight into the use of CARES Act funds.



cloudassured@smartronix.com

703-435-3322

smartronix.com