



Health IT

Transforming Healthcare Through Smart IT Solutions, Enterprise Software Development, and Health Data Analysis and Support

Smartronix provides a wide array of Health IM/IT services, health data management, and enterprise software development and operations support. Our Software Engineers specialize in rapid software development in the Health Care arena. Our Subject Matter Experts (SMEs) are recognized as leaders in health data management within the Department of Defense Military Health Care System. Their efforts have been instrumental in establishing policies and processes to ensure data integrity within the Composite Health Care System (CHCS) / Armed Forces Health Longitudinal Technology Application (AHLTA).

Clients

- ▶ Air Force Surgeon General's Office
- ▶ HQ Air Mobility Command Surgeon General's CIO
- ▶ MHS Cyber Infrastructure Services (MCIS)
- ▶ Air Force Medical Operations Agency (AFMOA)
- ▶ Air Force Medical Support Agency (AFMSA)
- ▶ Air Force Special Operations Command/Installations & Mission Support (A7)
- ▶ Air Mobility Command/Installations & Mission Support (A7)

Health Data Management

Smartronix provides a wide spectrum of management, technical, and engineering services in support of the CHCS/AHLTA health data management and analysis effort to include Program, Technical Management, and SME support in the development of an enterprise technical solution for health data management. Our management and technical experts have created health data management processing rules to assist in the standardization of enterprise business processes that will assist our customers in reducing and eliminating erroneous or non-standard input of health data into CHCS/AHLTA.

eHealth Data Optimization System (eHDOS)

- eHDOS enterprise approach to understanding scope of complex medical ecosystem's dependence on error prone manual registration and business process issues
- Aggregates data into secure enterprise data warehouse for AF CHCS, providing business intelligence, consolidated data roll up, advanced drill down and pivot capabilities
- Automatically identifies, classifies, and prioritizes record corrections to include duplicate EHRs



Spotlight | CHCS/AHLTA Patient and Provider File Clean-Up

Smartronix leverages its extensive subject matter expertise providing advanced technical and administrative support to ensure the data hygiene of Air Force medical systems is consistent with Health Affairs, Major Commands, and Military Medical Treatment Facilities (MTF) directives. In addition, Smartronix drafts business rules for guidance and standardization, develops training guides used for correcting identified data errors, and provides on-site assistance to process owners for various data elements contained in CHCS/AHLTA. Smartronix has developed automated tools to analyze the Patient and Provider files, actively seeking out data records that are incorrect or contain missing data elements. These tools allow us to analyze, trend, and report on the health of the data contained in CHCS/AHLTA. Our SMEs then assist the MTFs with correction of their data files. We provided training to the MTFs that reduced the amount of erroneous data being introduced into CHCS/AHLTA. The result of this effort has been safer and more complete medical encounters, and increased revenue collections for the MTFs.

CMMI Level 3
ISO 9001:2008
ISO/IEC 20000-1:2005
CPSR Approved

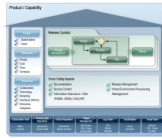


Summary of Services

Datacenter Consolidation
 Enterprise Virtualization
 Cloud Transformation
 Infrastructure Modeling & Simulation
 Data Hygiene
 Systems Administration
 Database Administration
 Configuration Management
 Telecommunications Support
 Software Development
 Help Desk Support
 System Sustainment/Management
 Health Data Management
 Executive Management Support
 Training and Training Development
 Requirements Analysis and Verification
 Certification and Accreditation
 Documentation and Configuration Support
 HIPAA Compliance

Enterprise Software Development

Smartronix develops, designs, and implements enterprise software for some of the largest and most complex global enterprises. These include enterprise messaging and collaboration, server and application virtualization, enterprise content management, data warehouse development, and service-oriented architecture design and development. Our Virtual Development Environment (VDE) provides a shared test and development environment enabling our development teams to rapidly retrieve software releases hosted on multiple platforms, re-create production-level environments, and share those environments with other geographically distributed development/test teams.



Spotlight | Cross Service Enterprise Application Development

With development occurring across multiple disjointed environments by various teams with differing Operating Systems (OS), Interfaces, and relational databases, there has become a need for a unified solution. The adoption of a cloud-based VDE solution will allow administrators to host multiple developments and test instances that can be automatically provisioned, configured, and managed, thus decreasing the associated administration time and servicing all geographically dispersed teams. This will allow customers to meet demanding product release schedules while continuing to provide centralized administration, standardization, and governance. The VDE will enable system-wide patch management, ensuring compliance with DoD and Security Technical Implementation Guide (STIG) requirements.

Geospatial

Smartronix develops and integrates cutting-edge geospatial solutions covering the entire spectrum of spatial data processing, analysis, and visualization. This includes requirements definition, database architecture, application design and development, and enterprise geospatial integration. Our professional geospatial engineers couple the needs of business with the latest GIS technologies on the market to deliver enterprise business and spatial information management solutions focused on improving decision making, visualizing complex data relationships, promoting information transparency, and enhancing situational awareness.



Spotlight | Recovery.gov 2.0

Recovery.gov 2.0 was developed by the Smartronix team to support the interests of users ranging from the casual citizen observer to Government watchdogs. These users will be pleased by the wealth of Federal spending data that's literally at their fingertips and accessible in a myriad of ways as the site continues to be updated with even more features. Significant advancements include the addition of geospatial mapping and analysis capabilities, which enable users to explore stimulus expenditures on a state, county, congressional district, or zip code basis.

Medical Systems Operations and Support

Smartronix provides a wide range of IT services to MTF, Command, and Program Office staff in support of medical operations. We deliver the highest quality of service as the primary provider of core IT support to our clients in the areas of hardware and software support, network administration, database management, asset management, and many other specialized requirements. Our company also provides help desk and field user support for critical service-wide applications; and has other contract task orders to provide system administration, hosting, and configuration management for several service-wide Web applications. PMP and CPHIMS certified professionals also allow Smartronix to provide critical planning and solution resources to military health IT decision makers at all levels. Regardless of your medical IT needs or the level of your organization, Smartronix can build the operations and support model needed for every requirement.



Spotlight | HQ Air Mobility Command/SG Healthcare Information Branch

Smartronix provides the full spectrum of IM/IT support services for the AMC/SGSI Information Systems. We provide help desk support for a full range of medical systems supporting all AMC bases. This includes collecting, maintaining, and reporting data relating to hardware, software, network, and training-related problems experienced by AMC medical systems users as well as performing IT inventory control. We serve as SMEs to the CHCS Database Administrator and the Administrators for local and/or standard database management systems within the HQ/AMC SGSI and designated MTFs. We also provide all-important security support services for AMC/SGSI IT equipment, including small computer systems and telecommunications. This includes operational and analytical support related to security IT equipment, telecommunications, and network security; and management and administration of user IDs, passwords, and security keys.



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