



Engaging the future...

S4 Capabilities Briefing



Company Snapshot

Engaging the future...

- **Recognized within the DoD Intelligence Community as a trusted provider of IT Services & Solutions**
 - *Veteran-Owned Small Business (VOSB) founded in 1998*
 - *SBA-Certified as 8(a) and Small Disadvantaged Business (SDB)*
 - *Stable, privately-held LLC with steady growth of 20%/year*
 - *Facility clearance*
 - *Owned by former SAIC and DOD employees*
- **Established Leader in IT Solutions for the DoD Intelligence Community**
 - *Network/Application Health and Status Monitoring,*
 - *Process Automation for Data Mining and Discovery and software development*
 - *Signals Analysis and Protocol Processing*
 - *Free and Open Source Technologies - JBoss, Apache, MySQL, Maven, etc*
 - *Database Development - Oracle, Sybase, and MySQL*
- **S4's client-centered, technology-driven mission focus has resulted in a track-record of successful contract completions on critical programs of national importance**



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- **Gov. Contracts**
 - *Dept. of Defense – National Security Agency*
 - *Dept. of Veterans Affairs – Veterans Health Administration*
- **Gov. Subcontracts**
 - *Booz Allen & Hamilton*
 - *NiSUS*
 - *HCC*
 - *RTGX*
 - *Five Rivers*
- **Clients**
 - *Lockheed Martin*
 - *Raytheon*
 - *Science Application International Corp (SAIC)*
 - *Proteus Technologies*
 - *AT&T*
 - *ProObject*



SYSTEMS & SYSTEM
SOFTWARE SOLUTIONS, LLC

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Systems Engineering

- **Services/Expertise**

- *Concept Development, Strategic Planning*
- *Requirements capture and analysis*
- *Systems Design and Development*
- *Systems Engineering, Implementation, Deployment and Integration*
- *Connectivity, Rack layout, Drawing Package Production*
- *Wiring and Cabling, Power and heating mitigation*

- **Clients/Projects**

- *DoD/IC*
 - **Virtualization** - Minimize power, space and cooling (PSC) requirements
 - **Service Oriented Architectures**- Break large systems into smaller distributable services across the enterprise
 - **Command and Control** - Solutions for the command and control of many remote devices; eliminating the need to risk human life



Core Area: Software Engineering

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- **Services/Expertise**

- *Function and Architecture capture/analysis*
- *Data model, Schemas and Visual modeling*
- *Design, Coding and Prototyping*
- *Integration, Testing, Performance Verification, Quality Assurance*
- *Configuration Management, Deployment and Maintenance*

- **Clients/Projects**

- *DoD/IC*
 - **Quality Assurance** - Management and processes for the verification or determination of whether products or services meet or exceed customer expectations
 - **Integration and Test** - Solutions to test and integrate large systems; Test before code; Developers create test cases way before coding starts; minimizes errors during integration
 - **System Frameworks** - Solutions for the development and integration of system frameworks; Develop services on a more manageable and controllable system by running modules on a common system



Software Development

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- **Services/Expertise**

- *Database Development, Maintenance and Integration*
- *Web Site and Portal Design, Web Services with PKI*
- *Freeware and Open Source-based Development*
- *Middleware Development*

- **Clients/Projects**

- *DoD/IC:*
 - **Agile Processes** - Over 9 years of developing systems using agile and iterative processes to increase the number of releases in the least amount of time with 100% customer satisfaction; SCRUM, Feature Driven Development, Test Driven Development, and more
 - **Web 2.0** - Dynamic refresh within user-configurable Webpage dashboards
- *VA-VHA:*
 - **Web Development** - Web site development and content management using the latest technologies
 - **Mobile Apps** - Experience with Blackberry now being extended to iPhone, Android



Information Systems Management & Interface

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- **Services/Expertise**

- *Project Management and tool integration*
- *Information Management and Retrieval*
- *Knowledge Management Systems*
- *GIS Product Integration, Data Visualization and Informatics*

- **Clients/Projects**

- *DHHS-NCI*
 - **Laboratory Information Management Systems** - Solutions for the management, process, analysis, distribution, and research of laboratory information
- *DoD/IC*
 - **Analytic Systems** - Solutions for the processing and management of information created by front-end systems and stored in large databases
 - **Messaging Systems** - Solutions for the processing, routing, and management of corporate messages coming and going to disparate systems with different communication protocols



Satellite & Network Engineering

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- **Services/Expertise**

- *Network Topology, Architecture, Planning and Sizing*
- *Link Budget Analysis and Site Surveys*
- *System Design, Trade-offs and Optimization*
- *Earth Station Installation, Testing and Commissioning*
- *Network Architecture and Design*
- *Implementation, Testing and Evaluation*
- *Technology Insertion and Refresh*

- **Clients/Projects**

- *DHS-FEMA*
 - [SatCom SME Services](#) - Programmatic and engineering expertise in support of incident response communications and situational awareness requirements over the entire United States and all its territories
- *DoD/IC*
 - [Network/Protocol Processing](#)- Deep packet inspection and network intelligence solutions; Real-time identification and classification of traffic flows at protocol/service level/application level; Real-time extraction and delivery of information embedded in or computed from network traffic information



Managed Network Services

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- **Services/Expertise**

- *Network Monitoring & Control*
- *NOC and Help Desk Services*
- *Field Services and Surge Support*

- **Clients/Projects**

- *DoD/IC*
 - **Help Desk** - 24/7 System monitoring and management
 - **System Health and Status** - Solutions to automatically retrieve and display the status of systems that have been discovered in the network
 - **Cybersecurity** - Intrusion Detection and Notification



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S4 Industry Codes

- **North American Industry Classification System (NAICS):**

- *517410 - Satellite Telecommunications*
- *541330 - Engineering Services*
- *541511 - Custom Computer Programming Services*
- *541512 - Computer Systems Design Services*
- *541513 - Computer Facilities Management Services*
- *541519 - Other Computer Related Services*

- **Product Service Codes (PSC):**

- *D302 – ADP Systems Develop*
- *D306 - ADP System Analysis*
- *D307 – Automated Information Systems*
- *D308 - ADP Programming Svcs*
- *D309 - ADP Inf Broadcast & Dist Svcs*



Certifications

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- PMI Project Management Professional (PMP)
- Microsoft Certified Systems Engineer (MCSE)
- Microsoft Certified Solution Developer (MCSD)
- Certified Information Systems Security Professional (CISSP)
- Network+ Certified



Technologies

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- Continuous Integration and Release: Hudson, CruiseControl, Nexus, Artifactory
- CM: CVS, Subversion, and ClearCase/ClearQuest, MADForge
- Databases: Postgres, MySQL, Oracle, and Sybase
- Testing: Junit, HTTPUnit, and CppUnit
- Build Tools: JRuby, Maven, Ant, Makefile, and Unix Shell Scripts
- Languages: Java, C, and C++
- OS: Windows and Linux
- IDE: Eclipse and Netbeans
- Web: HTML, XML, Web 2.0, AJAX, SOAP, Flash



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Contact Information

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