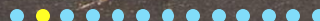
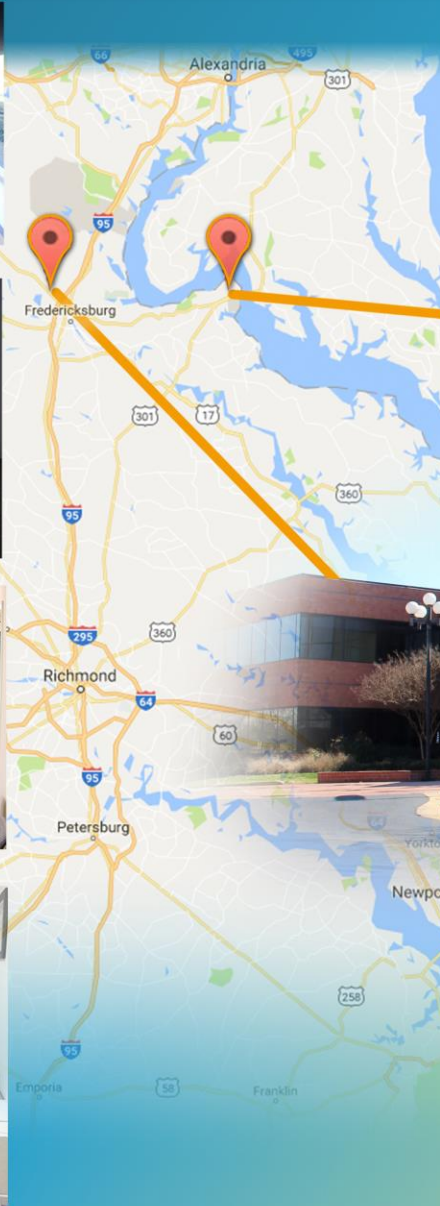


- **Small business dedicated to Defense Engineering**

- 240+ employees and ~\$40M revenues
- Certified/accredited in multiple disciplines
- Multiple TS facility clearances and contract vehicles
- Workspace and business model designed for collaboration, agility, and innovation
- Proven prime contractor (results, process, & staff)
- Virginia Business “Best Places to Work” – 5 years
- Recognized in Inc.’s 50 best places to work for 2016!





Dahlgren Facility

A photograph of the SimVentions Dahlgren Facility. The building is a two-story brick structure with a flat roof and large, dark-framed windows. The 'SimVentions' logo is visible on the upper left side of the building. The facility is surrounded by mature trees with autumn foliage in shades of orange, yellow, and red. In the foreground, there is a paved parking lot and some landscaping, including tall grasses and shrubs. A utility pole is visible on the right side of the image.

VA Beach Facility

“Imagine. Create. Explore. Discover.”™ Culture

- Agile, employing industry best practices/processes
- Unparalleled retention rates and customer satisfaction
- Innovative use and development of tools and technologies created out of SBIRs
- Corporate core disciplines:
 - Engineering
 - Systems, Software, Cybersecurity, M&S
 - Project Management, acquisition and Logistics
 - Training





Key Experience / Offerings

- Development and management of requirements, design, documentation, prototypes, and plans
- S&T / R&D planning for new tactical capabilities
- Perform Analysis of Alternatives (AoA)
- Model Based Engineering (MBE)
- System training requirements and development
- System test, planning, executing, and analyzing

Customers and Programs

- Navy Anti Terrorism/Force Protection
- Navy Electronic Warfare (EW) systems
- Navy Tomahawk Weapon System
- Navy Z-Omnibus (Z10, 20, 30 and MCSC)
- Navy/USMC Command and Control
- USMC MERS / SEAL
- USMC PfM CES

Program Specifics

- Perimeter protection, ops support, prototype development, Identity Mgmt, Non Lethal Wpn's
- SEWIP, NULKA, BEWT, SEWTT engineering
- Req Mgmt, Engineering Analysis, System Architecture
- Rapid insertion process, MTAG, CONUS/OCONUS
- CAC2S, SSDS Engineering Support
- Requirements management - Development of System Architectures (DoDAF)
- System engineering for MCSC programs



Customers and Programs

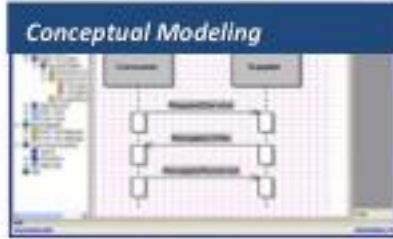
- Navy Anti Terrorism/Force Protection
- Navy OA Electronic Warfare Programs, and Threat/System Modeling
- Army Ada to C++ conversion
- Navy Emergent Technologies
- Navy Z-Omnibus (H10, A Dept. MCSC)
- USMC Marine Cyber Architecture
- DAU ARRT

Key Experience / Offerings

- Development of software requirements, design, documentation, prototypes, and plans
- Spiral, Agile and Waterfall software development
- Tactical software development
- Flexible and affordable support tool development
- Development for Open Architecture standards
- “Legacy-to-Open Architecture” conversions
- Legacy Software Conversions & Porting
- JAVA, C, C++, C#, Ada, .net, XML, UML

Program Specifics

- Program Specifics Software development for AT/FP systems, in-theater support systems
- Model development and OA transition assessment
- 1 million+ lines of conversion with SimV tool assist
- AI, machine learning and big data
- Rapid insertion process, MTAG, CONUS/OCONUS
- Application of SimV tools to MCSC programs
- Interrelated acquisition support tools



Customers and Programs

- Navy Surface Electronic Warfare
- Navy Shipboard Gridlock System (SGS)
- Navy CBRN
- DMSCO Defense M&S Catalog
- Navy PEO IWS M&S Portal
- DMSCO M&S Community Metadata Standard
- Navy Mid-Range Ballistic Attack Munitions
- Navy Stimulators for SPS Testing

Key Experience / Offerings

- Experience spans spectrum from developing tactical simulation to authoring DoD standards to analytical studies to producing conceptual modeling tools
- Developed key stand-alone and complex, federated simulations
- Primary authors of key standards and specifications (BOM, MSC-DMS, DSEEP)
- Industry leaders through SISO executive roles and 10-year support to DMSCO
- Model Based Engineering

Program Specifics

- Simulation of ship air defense in heavy EW environment
- Wrap-around simulation of track correlation
- Chem-Bio dispersion modeling
- Web Based, DoD-wide M&S Resource Search Tool
- Web-based M&S asset tool (EMBR) to encourage reuse
- Authored DoD standard for M&S metadata
- Ballistics modeling and analysis with GIS visualization
- Laboratory test environment for ship perimeter protection



Customers and Programs

- Navy Tomahawk Weapon System (TWS)
- Navy Electronic Warfare (EW) systems
- Navy Littoral Combat Ship (LCS)
- Navy Shipboard Protection System (SPS)
- Navy Combat Systems (SSDS, ACDS, Aegis)
- Navy Boundary Defense Cabinet (BDC)
- USMC Common Aviation Command and Control System (CAC2S)
- USMC SEAL

Key Experience / Offerings

- Integration of cybersecurity into systems engineering and acquisition processes
- Cybersecurity assessments and pen testing
- Certification and Accreditation (C&A) of systems
- Vulnerability scanning and management
- Test planning and execution
- Risk management
- Supply chain analysis Independent validation

Program Specifics

- Requirements definition, security integration, C&A
- Cybersecurity support to SEWIP, BEWT, SLQ-32, SLQ-59
- Cybersecurity requirements and schedule definition
- C&A, working group guidance, scanning
- End-to-end cybersecurity support, including supply chain
- Requirements definition for interfacing with BDC
- End-to-end cybersecurity support (requirements, C&A, program reviews, working groups, testing)
- Process development for Risk Management Framework



Key Experience / Offerings

- PMI/DAWIA Certified Project Managers (PMP)
- Experienced and flexible staff familiar with the end-to-end acquisition process and products
- Experience with integrating IA, OA and specialty engineering into project schedules
- CMMI Level 3 like and Program Management Book of Knowledge (PMBOK) compatible processes Location and facilities enable effective collaboration
- PMAp for visualizing and integrating schedules and risk

Customers and Programs

- Navy Aegis Capability Phasing Plan (CPP)
- Navy Anti-Terrorism/Force Protection
- Navy Electronic Warfare Programs
- USMC MERS / SEAL
- USMC NSC and VSI
- DAU Service Acquisition Mall
- Joint Integrated Base Defense (IBD)

Program Specifics

- Management of Advanced Capability Builds (ACB)
- PM and engineering tools application
- PM tools application to program tracking
- Web development for Acquisition professionals
- Manpower & Systems Functional Task Analysis
- Support site for acquisition professionals
- PM tool application to IBD programs



Key Experience / Offerings

- Navy System Training
- Computer Based Training
- Customized Curriculum Development
- On-Site Training Workshops and Courses
- Documentation Guides and Training Modules for Application Software
- Equipped Facility for Large Group Training

Customers and Programs

- Navy BEWT/SEWTT
- Navy IDS
- Navy HALLTS
- DAU ARRT
- Other Tool Application and Training Courses as Requested
- Navy Training Devices

Program Specifics

- EW Shipboard Training
- Developed CBT and deployed mobile training teams
- Developed and conducted tailored training support
- Training and workshops in PBSA service requirements
- Specialized tool application and technical courses customer requests (e.g. Informedb Ent., MagicDraw, C++, etc.)
- EW Tactical Simulator

A SimVentions discriminator is its ability to develop innovative Engineering and PM tools that can be fielded quickly and offer the following features:

- Provide increased situational awareness by visualizing and accessing the data in user pre-defined (role based) views
- Are developed under the SBIR program and are therefore license free
- Can run on a gov't server, SimVentions server, or in the cloud
- Can be easily modified to meet specific customer needs
- Augment and integrate commercial tools currently used by our customers (e.g. MS Office, MS Project, DOORS, Enterprise Architect...)

Some of the 30+ Tools that are available to our customers



- **Leverage SBIR program to support customer needs**
 - New technology through Phase I, II
 - Engineering support and tool adaptation/production through Phase III
- **Competitions through various agencies and vehicles**
 - Select team members providing best value engineering and programmatic support team
 - Equally capable as prime or sub on any effort (large or small)
- **Broad Agency Announcements (BAA)**
 - Research and development of new concepts



Booz | Allen | Hamilton

Raytheon



SONALYSTS



GENERAL DYNAMICS



ENGILITY
Your Mission. Our Commitment.

“Your Success is Our Honor”™

- SimV is an agile, capable, and innovative small business
- Corporate core disciplines include: Engineering, Project Management, and Training
- We collaborate and partner with industry, government and academia
- We actively serve and give charitably to our local community

