



- **Small business dedicated to Defense Engineering**

- 240+ employees and ~\$35M revenues
- Certified/accredited in multiple disciplines
- TS facility clearance 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” – 4 years
- Recognized in Inc.’s 50 best places to work for 2016!

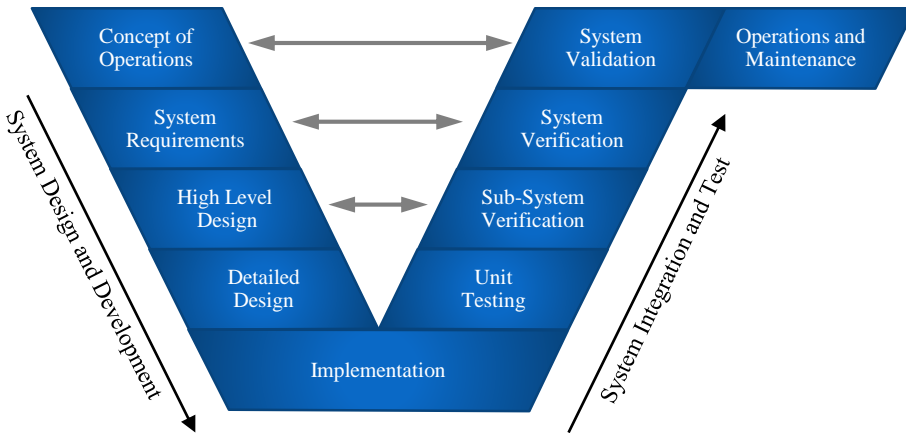




## “Imagine. Create. Explore. Discover.”™ Culture

- Agile, yet 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
  - Acquisition and Project Management
  - Training





## Key Experience / Offerings

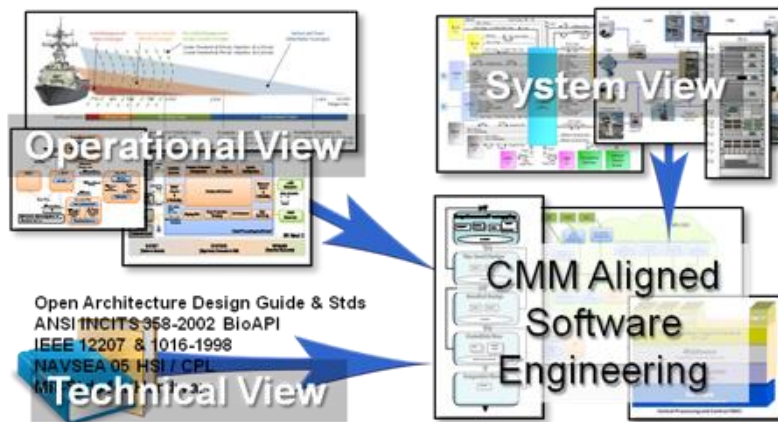
- Development and management of requirements, design, documentation, prototypes, and plans
- S&T / R&D planning for new tactical capabilities
- Technical Assessments/Analysis of Alternatives
- Model Based Engineering (MBE)
- System training requirements and development
- System test, planning, executing,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

## Customers and Programs

- Navy Anti Terrorism/Force Protection
- Navy Electronic Warfare (EW) systems
- Navy ATETS Navy Weapons Systems Engineering
- Navy Z-Omnibus (Z10, 20, 30 and MCSC)
- Marines Ground/Air Task Oriented Radar
- Marines Cyber System Architecture
- Marines MERS / SIAT

## Program Specifics

- Perimeter protection, ops support, prototype transition
- SEWIP, NULKA, BEWT, SEWTT engineering
- Identity management and non-lethal quick response
- MBSE analysis for program changes or enhancements
- Rapid insertion process, MTAG, CONUS/OCONUS
- Requirements management - Development of System Architectures (DoDAF)
- System engineering for MCSC programs

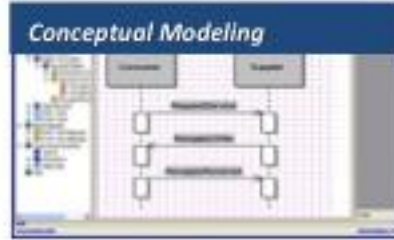


- Navy Anti Terrorism/Force Protection
- Navy ATETS
- Navy OA Electronic Warfare Programs, and Threat/System Modeling
- Army Ada to C++ conversion
- Navy Management toolsets based on JAVA
- Navy Z-Omnibus (Z10, 20, 30 and MCSC)
- Marines Marine Cyber Architecture
- DAU ARRT

- 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 Software development for AT/FP systems
- Software development for field systems
- Model development and OA transition assessment
- Over 1 million lines of conversion with SimV tool assist
- SimV developed tools for schedule, cost management
- Rapid insertion process, MTAG, CONUS/OCONUS
- Application of SimV tools to MCSC programs
- Interrelated acquisition support tools







## 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 SIAT

## 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



### Customers and Programs

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

### 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

### Program Specifics

- Management of Advanced Capability Builds (ACB)
- PM and engineering tools application
- PM tools application to program tracking
- Web development for Acquisition professionals





## 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

- |                    |                                                    |
|--------------------|----------------------------------------------------|
| • NSWCCD           | ERP                                                |
| • Navy             | BEWT/SEWTT                                         |
| • Navy             | IDS                                                |
| • Navy             | HALLTS                                             |
| • DAU              | ARRT                                               |
| • College Students | College Summer Institute                           |
| • Other            | Tool Application and Training Courses as Requested |

## Program Specifics

- Fully facilitated with onsite support
- EW Shipboard Training
- Developed CBT and deployed mobile training teams
- Developed and conducted tailored training support
- Training and workshops in PBSA providing practical application for all types/sizes of service requirements
- 110 hours introducing DOD/Contractor Environment with project based RFP assignment
- Specialized tool application and technical courses customer requests (e.g. Informedb Ent., MagicDraw, C++, etc.)

- Commercially available tools like DOORS, Enterprise Architect, MS Office, MS Project, etc. are powerful and provide key data to support project and engineering management
- However, they do not interface with each other very well and/or are not intuitive which creates potential disconnects in the development process and/or requires additional man hours to interpret the derived data
- SimVentions has developed innovative tools that augment and integrate the commercial tools and provide increased situational awareness by visualizing and accessing the data in user pre-defined (role based) views
- Our tools are also affordably and quickly modified to meet alternative needs



**ACQUISITION  
REQUIREMENTS  
ROADMAP  
TOOL SUITE**





- **Leverage SBIR program to support customer needs**
  - New technology through Phase I, II
  - Engineering support and tool adaptation/production through Phase III
- **Seaport competitions**
  - 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)**
  - Requirement definition and response

**KRATOS**  
FROM STRENGTH TO SUCCESS

**TRISTAR**  
ENGINEERING  
Experience. Innovation. Solutions.



**SAIC**  
From Science to Solutions

Booz | Allen | Hamilton

**SECHAN**  
ELECTRONICS

**McKean**  
DEFENSE GROUP



**EWA** Government  
Systems, Inc.  
"Enabling a more secure future"

**SOLUTE**

**SONALYSTS**

 **GRYPHON**  
TECHNOLOGIES  
Where Imagination and Technology Come Together

**rti**

SYSTEMS PLANNING  
**spa**  
AND ANALYSIS, INC.

**Camber**

**tea** inc.

**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 with industry, government, academia, and the community

