



ArchSmart, LLC

Capabilities Overview

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CEO and Founder

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Introduction

- ArchSmart, LLC established September 2005
- Small, Women-Owned (WO), Service-Disabled Veteran-Owned Business (SDVOB)
- CEO and President, Victoria Engel-Yamane
 - 30 years experience in technical leadership and program management
- ArchSmart consulting staff has over 160 years cumulative engineering and executive program management experience

The ArchSmart Mission

*“To Provide Superior Quality Products
and Unbiased Consulting Services”*

Design *Smart*

- ❖ Technology Application and Innovation
 - ❖ Successful SBIR technologies
- ❖ Engineer for Productive and Visible Results
 - ❖ Applied Agile Methodology across various Domains / Functional & Mission Areas
- ❖ Apply Information for Decision Making and Secure Information Sharing

About ArchSmart

Corporate Information

- DUNS No.: 196914308
- EIN No.: 77-0656828
- VA Tax ID No.: S150002-6
- CAGE Code: 386T3

GSA Schedule: IT-70; Contract #: GS-35F-0116X

Why ArchSmart ?

- Focused on Customer-Specific Business & Decision-Making Needs
 - Architecture efforts “tailored” to customers’ business mission and needs, issues and operations
 - “Operationalizing” the architecture – dynamic methodology to meet customer decision-making information needs
 - Proven architecture development methodology and processes: successfully repeatable
 - Strategic business alliances to support customer needs
 - Program Management Institute (PMI) Certified Program Managers
 - Integration of standardized framework / methodology - supporting clients’ Enterprise & Solutions Architecture, Security / Information Assurance, Program Management, and System Engineering needs
 - Ready critical experienced staff and consultants

ArchSmart Professional Services

– Data Engineering, Analysis and Management:

- Data Analysis, Modeling and Visualization
- Interoperability Analysis
- Modeling and Simulation (M&S)
- NIEM Domain Development, Mentoring and Training
- NIEM IEPD Development

– Business Process Engineering:

- Business Process modeling
- Applied Best Practices including Statutory Reporting requirements
- Business Intelligence

– Capital Planning and Investment Control (CPIC) and Portfolio Management:

- Investment alignment to FEA Reference Models (OMB A-11), Performance modeling
- OMB 53 / 300 development

– Architecture Development:

- Identification / assessment of As-Is
- Data assessment and analysis
- Engineering of To-Be
- Gap analysis
- Transition / Transformation planning & execution
- Feedback

– Systems Engineering/Integration:

- Information Assurance/Security engineering
- Requirements development & management
- Risk assessment, mitigation & management
- Integration and interoperability analysis
- Trade studies and AoA
- Gap analysis

ArchSmart Professional Services

- Applied Architecture Methodologies & Techniques
 - FEAF, DoDAF, MODAF, TOGAF, Zachman, others
 - Methodology focused on DATA and Model Driven Architecture (MDA)
 - Architecture tool evaluations to meet individual customer business needs
 - IBM Rational Systems Architect, DOORS, Trous Product Suite (previously METIS), Oracle/Primavera/Prosight, Enterprise Elements (EE), Tableau, LogiAnalytics, etc.
 - Business process management: Application of ITIL, Six Sigma, CMMI
 - Systems Engineering and Trous Metadata and LogiAnalytics modeling expertise.....directed tool use

ArchSmart Professional Services

- Security/Information Assurance
 - Adherence to FISMA reporting requirements in alignment with agency Certification and Accreditation (C&A) activities
 - Validation of compliance with DHS security requirements and controls to reduce threat profile
 - Strategic compliance with DHS SELC process
 - Enterprise-wide assessment of agency or Program/Project risks and vulnerabilities
 - Development and oversight of all FISMA C&A security artifacts
 - Customized training on C&A policy, processes, and use of agency tools

ArchSmart Professional Services

- Program Management
 - Adherence to industry standard program management concepts and methodologies - Program Management Institute (PMI)
 - Certified Program Management Professionals (PMP)
 - Project Management Office (PMO) establishment and governance
 - Effective reporting to quickly gauge project / program status
 - Use of common Project Management documents, and template establishment
 - Alignment of Architecture to Program and Acquisition Management Strategy
 - Adherence to reporting requirements under Clinger-Cohen Act, and reporting requirements of OMB 300
 - Management throughout project lifecycle - ensure achievement of baseline goals and client requirements
 - Development / use of effective change and risk management policies, procedures, and processes
 - Alignment of IT architecture to requirements

ArchSmart Professional Services

- Security Engineering Past Performance (DHS)
 - Agency representation at DHS Wireless Working Group (WWG), Wireless Security Board (WSB), and ICE Security Architecture
 - Representation as ICE Security Architect per request of ICE Chief Information Security Officer (CISO) at annual DHS Security Conference - sponsored as “invite only” forum by DHS CISO
 - Strategic and tactical support for DHS representing ICE Operations for policy and guidance - in alignment with agency Infrastructure Configuration Control Board (CCB)
 - Development and documentation of Security Architecture for both ICE and CBP
 - Identification and Application of Security metadata tags in Architecture models
 - Enterprise assessment and solution strategies for development and implementation of leading edge wireless infrastructure

Representative Past Performance

DHS DNDO CIO Enterprise Architecture (EA) and Data Architecture (DA) Services Support

- Supported this program/client since company inception in 2005
- Provides EA/DA support for both the DNDO Information Sharing Program (ISP) and the Global Nuclear Detection Architecture (GNDA) Repository (GNDAR) Development
- Client support includes Governance and Process, Enterprise Architecture, Data Architecture/Management, Technology and Tools support, Security Architecture, and Solution Architecture
- Support to DNDO for multiple tools, including the Trous Tool Suite, LogiAnalytics, Tableau, and Erwin
- ArchSmart is the Key government representative for the DHS DNDO CIO to multiple forums including: the DHS Data Management Working Groups, DHS EA IPTs, and the NIEM PMO Working Groups

Representative Past Performance

DHS DNDO SBIR: Test & Evaluation Data Archive Repository (TEDAR) – Phase II Award

- ArchSmart prepared and developed the TEDAR Phase I proposed technology and design solution to manage Test and Evaluation (T&E) and all forms of related data collection for DNDO
- In Phase I, ArchSmart developed a successful TEDAR Prototype solution, leading to the award of the Phase II TEDAR contract
- Phase II, currently under development, will provide a recommended commercialization strategy and further software development to complete this product
- Innovative Technology Solutions applied for Search, Secure Collection, Retrieval, Archival and Compression of data.
- The TEDAR solution has been submitted for recognition at the upcoming TechConnect World Conference

Representative Past Performance

Army Training Requirements and Resources System (ATRRS)

- This project supports the development of the ATRRS Enterprise Architecture
- ArchSmart performs discovery and architecture modeling of IT system assets, documenting Operational activities and processes, identifying Systems and Systems Interfaces and all business processes
- As a result of our project, we enable HQDA to make transformational business decisions for the ATRRS target architecture
- All efforts are provided using the Department of Defense Architecture Framework (DoDAF), V2.0

Representative Past Performance

DHS CBP Secure Border Initiative (SBI) / Office of Technology Innovation and Acquisition (OTIA) Program Management and Operational Support Services (PMOSS)

- ArchSmart provides Program Management Office (PMO) and Operational Support to CBP SBI / OTIA against threats to the US Northern and Southern Borders
- Services include
 - Systems Engineering and Architecture Design and Development of CBP SBI Systems Architecture
 - Systems Interoperability Analysis and Information Sharing
 - Configuration Management
 - Security Management and Oversight Compliance (SMOC)
 - Security Assurance (Certification and Accreditation (C&A))

Representative Past Performance

DHS ICE Security Management Oversight & Compliance (SMOC)

- Performed Security Management & Oversight Compliance (SMOC) and ISSO technical support services for DHS ICE IAD
- Support included Security/ Information Assurance (IA) and C&A products & services across all DHS ICE GSS's and Mission Apps, as well as Security Architecture, ensuring compliance with FISMA, DHS policy, NIST, and OMB
- ArchSmart supported the development of improved governance and business processes, in compliance with DHS HQ

Representative Past Performance

DHS DNDO Systems Engineering and Support Program (SESP)

- Provided Systems Engineering and Architecture Design and Development for the Global Nuclear Detection Architecture (GNDA) and its interoperability to support strategic mission objectives
- Architecture analysis and modeling, data analysis for Gap and Interoperability Analysis for multiple Product Lines/ Systems Architectures
- ArchSmart is direct DNDO technical systems integration and engineering support and DNDO representative to HQ DHS Data Management Forums, including the National Information Exchange Model (NIEM) and DHS/DNDO Data Management Working Group (DMWG)
- Key development team for Information Sharing, Interoperability and Information Exchange Product Documents (IEPDs) and lead developer of NIEM CBRN Domain
- ArchSmart provided key data analysis and development for Data Quality/Health and Information Assurance (IA), enabling DNDO to lead in these key data Subject Areas

Representative Past Performance

Health and Human Services (HHS) CMS Enterprise Architecture Support

- ArchSmart provided development of the Centers for Medicare and Medicaid (CMS) Enterprise Architecture (EA) and alignment to HHS EA
- All design, development and analysis was done with Trous Technologies tool suite
- ArchSmart support included providing capital planning and investment control (CPIC) and portfolio management

How to Contact ArchSmart

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