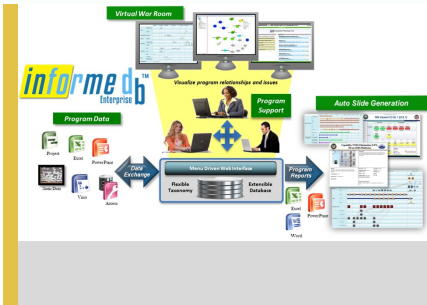| TOPIC NUMBER: N05-053, N102-147	SBIR INVESTMENT: $5,698,887	PHASE III FUNDING: $11,488,349

INFORMEDB™ ENTERPRISE TECHNOLOGY, HELPING THE DIGITAL ENGINEERING TRANSFORMATION OF THE NAVY

Informedb™ is an online, user-definable data lake that enables system-of-system planning and coordination across the Navy enterprise.

SimVentions Inc.

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THE CHALLENGE

The Navy maintains interest in improving system of system planning, tracking, and engineering. Managing programs, schedules, and capabilities with disparate artifacts in conventional office documents limits collaboration and visibility across the organization. Thus, a distributed data-centric solution are desirable.

THE TECHNOLOGY

SimVentions Inc.'s Informedb™ Enterprise enables user-definable data lakes that enable system-of-system planning and coordination across the enterprise. Informedb™ brings online data management, reporting, and visualization to transform document-centric to data-centric decision making. Informedb™ Enterprise can assist with strategic planning; project execution; data management; product development, integration, and deployment; and configuration management. The tool works by organizing and managing data with enhanced report generation and information discovery via interactive visualization tools. These capabilities allow customers to see their information to plan and make informed decisions.

THE TRANSITION

The Program Executive Office Integrated Warfare Systems (PEO IWS) selected SimVentions Inc.'s Informedb™ technology to help manage complex capability development and deployment timelines and dependencies. SimVentions worked with PEO IWS to establish Phase III contracts to install, upgrade, and support the Informedb™ technology. A key aspect of this transition was the hands-on implementation services SimVentions offered with its ongoing software upgrade services. Utilizing a cost-based delivery-order based IDIQ contract, PEO IWS successfully brought Informedb™ technology across PEO IWS Codes 1-12 as well as all of the Naval Sea System Command's (NAVSEA) Warfare Centers. Informedb™ is deployed on government-hosted web/cloud infrastructure with SimV and non-SimV personnel utilizing it in day-to-day production operations across the country.

THE NAVAL BENEFIT

Informedb™ offers analysts, engineers, project managers and program offices benefits including data modeling, automated report generation, and graphical representation of complex data structures and interfaces. Understanding the system of systems integration issues coupled with a program's tradeoff decisions is critical in meeting the operational needs of the fleet. Informedb™ addresses these needs and enables continuous information development and exchange, reducing ownership costs throughout the design, acquisition, operation, maintenance, modernization, repair, and disposal associated with fielding a Navy platform. This replaces the document-centric processes used previously with a data-centric approach to maintaining information and generating knowledge-based reports.

THE FUTURE

PEO IWS plans to continue the use and expansion of Informedb™ across the NAVSEA organization and Warfare Centers, consistently looking for new ways to utilize it to address new problems.

> "Informedb's enablement of data based decision making and "radical transparency" has streamlined our PEO's customer engagements and improved our acquisition planning, cross-organization alignment, and fielding execution."
>
> Dr. Sean Niles, Technical Director, NAVSEA, PEO IWS X (Integrated Combat Systems)