

WHO

**SYSCOM:** NAVWAR  
**Sponsoring Program:** PEO Digital  
**Transition Target:** Flank Speed Enterprise Edge  
**TPOC:** (619) 993-4709  
**Other Transition Opportunities:** Logistics, IT and Cyber Digital Transformation Programs

**Notes:** CB Suite provides a tool kit for migrating data and software from legacy environments to cloud based services. This has applications in almost every aspect of Navy logistics, IT and cyber security. Diverse data sources are ingested and processed by AI models to produce a workable unstructured database. A second processing stage uses AI models to process these unstructured data and additional structured data sources into the desired output format or visualization.

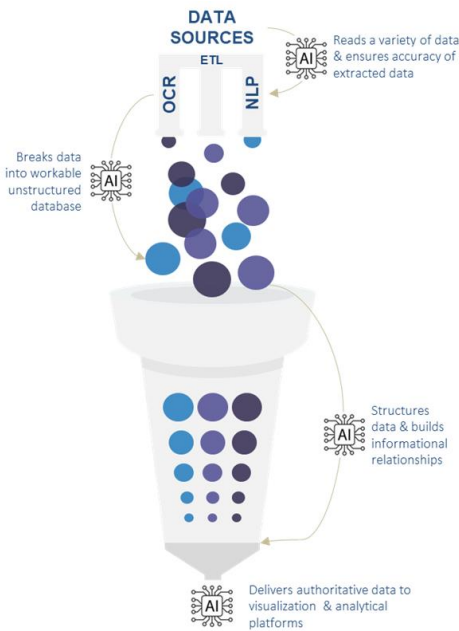


Image courtesy of Pantheon Data: 2024.

WHAT

**Operational Need and Improvement:** The CNO's NAV PLAN details a plan to transform the Navy into a data-driven decision making organization. To accomplish this the vast troves of data currently stored in paper or legacy digital formats must be unlocked for ingestion by modern data analytic tools. This includes procurement, supply chain and cyber data for IT assets including Flank Speed Edge.

**Specifications Required:** AI and ML tools provide the capability to ingest, understand, clean and format large amounts of data in an operationally relevant time. Additionally this approach ensures that data repositories stay synchronized with data sources as input data is modified or new data is added.

**Technology Developed:** CB Suite leverages models and data pipelines to ingest, transform and export a wide variety of input data types in any structured data format required. Natural Language Processing (NLP), Optical Character Recognition (OCR), Large Language Models (LLM), and other ML algorithms trained on the diverse datasets enable CB Suite to relate datasets that have previously not been comparable; including PDFs, Drawings and "free text" documents written in no standardized format. Pantheon is currently adding LLM capabilities to provide text embeddings to CB Suite, which allows for advanced insights and conversation-based queries from the client to interact with their data in new ways.

**Warfighter Value:** CB Suite directly supports the warfighter by unlocking knowledge contained in Navy datasets and enabling better, data drive, decisions. Additionally by automating data transformation human resources are freed to address operational requirements, instead of administrative data wrangling.

WHEN

**Contract Number:** N68335-23-C-0195      **Ending on:** Dec 31, 2023

Milestone	Risk Level	Measure of Success	Ending TRL	Date
Initial Development of Commercial Prototype	N/A	Completed	5	3rd QTR FY16
SBIR Phase 1: Utility Demonstration for USAF	N/A	Completed	6	4th QTR FY19
SBIR Phase 2: Utility Demonstration for PEO Digital Flank Speed	N/A	Completed	7	3rd QTR FY23
Phase 2 Option Year	Low	Interim ATO Achieved	8	1st QTR FY25
PEO Digital Phase 3: Pilot Implementation	Low	Operational data ingest and export	8	4th QTR FY24

HOW

**Projected Business Model:** Pantheon anticipates two primary models for CB Suite: First is direct software sales to Federal Government customers as a software platform. This model will utilize direct contracting, Value Added Resellers (VARs), and teaming with other software vendors to deploy and integrate CB Suite into relevant operational environments. The Government customer is purchasing software licenses and support for their users. Second is an augmentation of our historical services model, where CB Suite is deployed as a force multiplier for our professional services team to accomplish a program objective. This may be a "one and done" use where CB Suite is removed after the contract completion, or it may transition to the first case of an on-going software licensing sale.

**Company Objectives:** Pantheon Data will become a premier software and services provider for DoD and DHS customers. Providing professional services, software development, software augmented services and software licensing to enable digital transformation, data driven decision making, and process automation.

**Potential Commercial Applications:** CB Suite has applications for Government and Commercial suppliers, manufacturers and distributors who need to understand their entire up-stream supply chain, and the risks they are inheriting from those upstream sources. The platform is designed to integrate design packages, supply chain data, and risk management data from a wide variety of sources, then distill that into a concise view of the overall risk for any particular unit delivered to the customer.