



PROBLEM STATEMENT

Today's digital engineering landscape is comprised of toolsets that are acquired based on the focus of each individual function but not unified together as a cohesive ecosystem. Many of the most popular toolsets have been acquired over time and are not always designed to work together. While application integration suites have tried to fill the gap in the integration, they are focused on transactional needs and not lifecycle data. Most of these tools were built for a broader community and are not ready to meet the vision of DoDI 5000.97 out of the box.



MISSION NEED

Today's Department of War needs the ability to acquire, maintain and plan the mission landscapes with legacy, emerging, and future weapon systems in mind. These systems and missions need to be unified through an integrated digital thread that continually considers these factors, accelerates capability in theater, and supports continued development and sustainment of systems. 97Helix is a purpose built to fulfill this need and bring DoDI 5000.97 to life. As a modular digital engineering platform it aligns access to best-in-class tools through a unified data layer and AI-powered insights allowing programs to address mission need from day one.

97XHELIX™ CORE COMPONENTS



nimbusCORE: Cloud orchestration platform with multiple cloud hosting options that allows for one-click deployments of environments with automated cyber and patching.



collabCORE: Built with the digital thread in mind, collabCORE integrates portfolio management and DevSecOps into the digital thread.



dataCORE: Modern data plane that connects disparate threads across MBSE, PLM, requirements, sustainment, and other authoring systems, enabling program acceleration and cost reduction.



connectCORE: Library of connectors that enables quick integration with hosted and external systems, enabling data unification and integration into the digital thread.

AI-POWERED INSIGHTS AND INTUITIVE EXPERIENCE

97Helix delivers a seamless, intuitive interface that lets users work within their preferred tools or a modern, single-pane-of-glass environment to interact with the digital thread. Built on dataCORE's ontology-driven foundation and connectCORE's low-code, extensible integrations, the platform orchestrates AI agents that surface the right information at the right moment—accelerating decision-making across the lifecycle. Tailorable AI models uncover relationships and cost drivers, while predictive analytics reveal downstream impacts before changes occur. Within the helixCORE experience, interactive 3D BOM visualizations and configurable dashboards give teams a clear, immersive view of their data from every angle.

PROVEN IMPACT



- ▶ **97 Helix** is proven across the Department of War (DoW).
- ▶ Both **TDPWerx** and **Code Foundry** are actively deployed within the U.S. Army while **dataCORE** systems support acquisition and sustainment throughout the U.S. Air Force.
- ▶ **Spacestation** powered by **97Helix**, **nimbusCORE** and **collabCORE** are deployed across **100+** U.S. Space Force programs.

Learn more about 97Helix and Sabel's other products [here](#)