

BEAST CODE // IMPACT

Turn Disconnected Data Into Operational Advantage



Mission-Focused Software for Complex Operations

Beast Code builds mission-focused software applications that connect existing systems and information. This includes 3D models, documents, and technical data all in one place. The result is shared operational awareness and faster, better-informed decisions.

As mission systems and workflows become more interdependent, leaders need a faster way to understand what is happening, what has changed, what is affected, and where action is required.

Beast Code brings trusted information into a unified environment, reducing manual effort and helping teams make faster, better-informed decisions.

How We Partner With Mission Teams

We embed with mission teams to understand how they work, what information they rely on, and what is slowing decisions down. We modernize in place by connecting existing systems and improving current workflows rather than replacing what already works.

Using high-fidelity prototypes, iterative delivery, and direct user feedback, we rapidly field applications that fit organizational needs. Customers maintain control of their data and future technology choices.

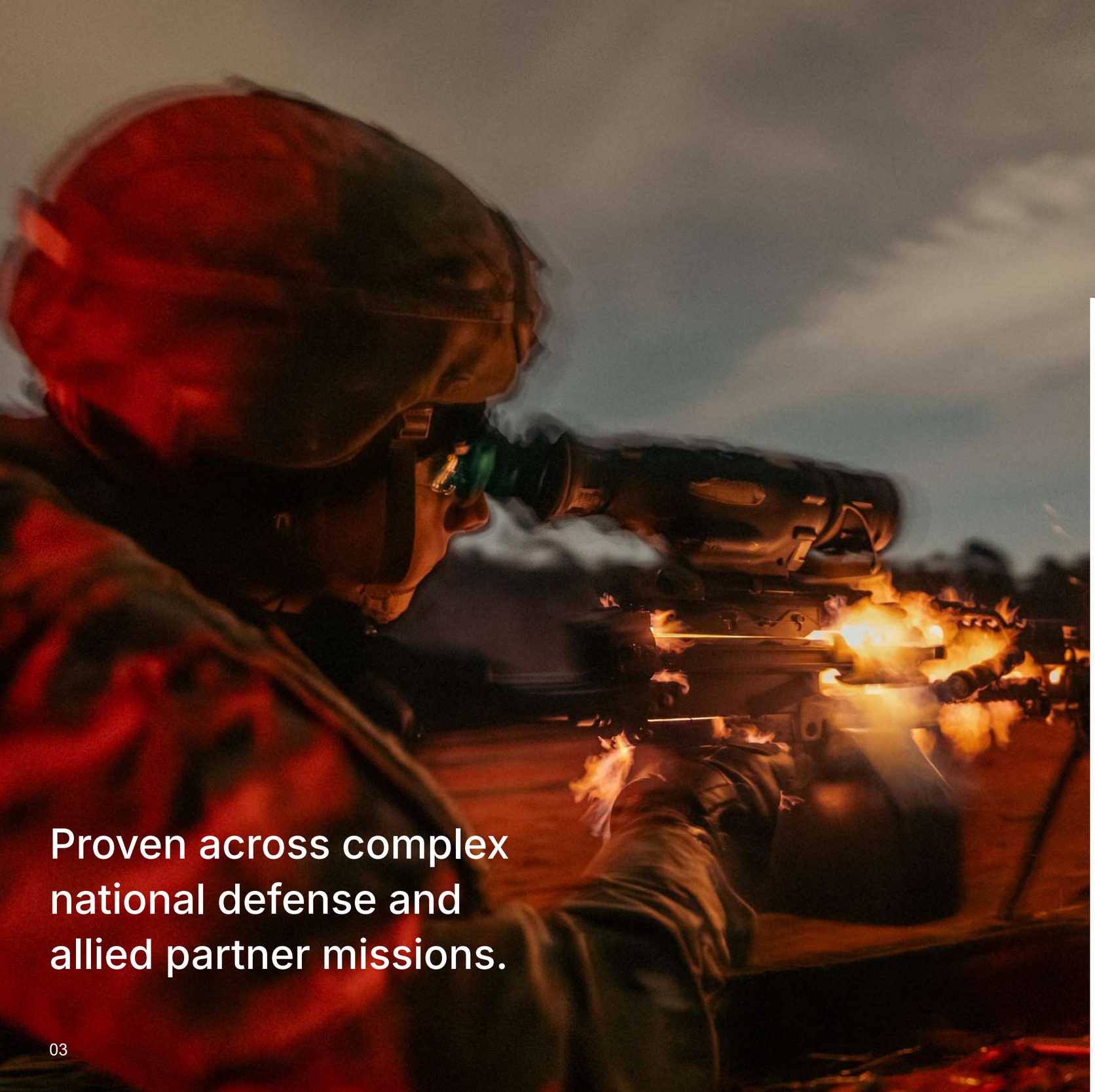
Beast Code Workforce at a Glance

240+
Employees

30%
Veteran Workforce

95%
Security Clearances

100%
U.S. Citizens



Proven Experience Across DoW

Beast Code supports major defense programs where disconnected systems and information create operational risk. Our experience spans maritime, aviation, and space missions, with particular strength in sustainment, technical data, and mission-focused software applications that improve readiness and accelerate decision-making.

Maritime and Shipbuilding

- COLUMBIA Class Submarines
- OHIO Class Submarines
- VIRGINIA Class Submarines
- Dreadnought Class Submarines
- FORD Class Carriers
- DDG(X) Next Generation Destroyer
- BBGN Next Generation Battleship
- Combat Craft Heavy

Engineering and Sustainment

- Naval Nuclear Laboratory
- Submarine Maintenance Engineering, Planning and Procurement
- PAE Maritime Digital Engineering
- Model Based Product Support
- Enterprise Remote Monitoring

Space and Air

- Space Launch Delta 45 and 30
- Air Force Global Strike Command



How We Help Modernize in Place

Connect What Already Exists

- Connect PLM, MBSE, mission systems, and other authoritative sources without replacing the tools and workflows that already work.
- Aggregate 3D models, technical documents, metadata, maintenance records, and operational data.
- Connect information across legacy and modern systems.
- Preserve existing investments and authoritative sources.

Operational Information

- Bring trusted information into a shared environment where teams can search, navigate, and execute faster.
- Find the right information without searching across multiple systems.
- Reduce time spent locating technical data and supporting documentation.
- Give teams the context they need to understand issues and take action.

Mission-Focused Applications

- Develop dashboards, workflows, learning experiences, and other applications around the way mission teams actually work.
- Start with the customer's workflow and operational need.
- Validate solutions through high-fidelity prototypes.
- Connect information to the workflows that depend on it.

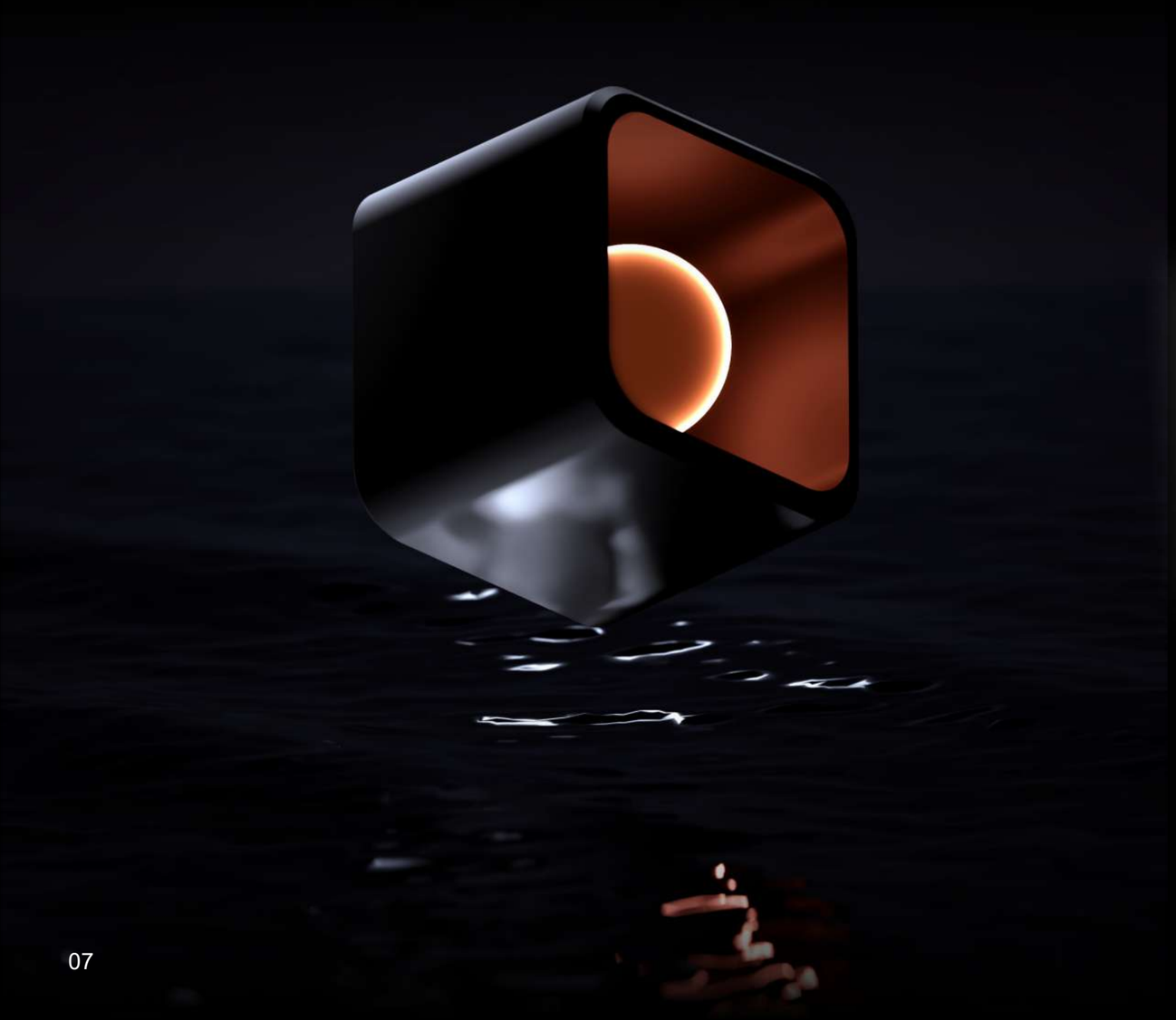
Support the Full Lifecycle

- Connect information and workflows across design, construction, training, maintenance, and modernization.
- Link as-designed, as-built, and as-maintained information.
- Support engineering, operations, sustainment, and modernization workflows.
- Keep information accessible and usable as platforms evolve.

Beast Core: The Foundation of Mission-Focused

Beast Core is the foundation for the solutions Beast Code builds. It connects existing systems and trusted information into a shared environment where teams can search, visualize, analyze, and act.

Built to support mission-focused applications, Beast Core helps organizations modernize in place, improve readiness, and accelerate decision-making without replacing existing tools.



Connect, Build, and Deploy

Beast Core delivers immediate value out of the box. Users can navigate 3D models, documents, metadata, and related technical information in a shared browser-based environment without custom development. This gives organizations a practical way to make PLM and MBSE information accessible beyond specialized tools.

Organizations can then connect existing systems and extend Beast Core with dashboards, workflows, learning experiences, and decision-support applications tailored to mission needs.

Beast Core supports deployment across government devices, networks, cloud, on-premises, and mission-edge environments.



Free Government Licensing. No Vendor Lock.

Beast Core is license-free for government organizations and designed for deployment across government devices, networks, and accredited environments. Customers maintain ownership of their data, models, workflows, and future technology choices.

What Are Digital Threads?

A digital thread is the connected flow of authoritative information across the lifecycle of a system.

It can begin with requirements, MBSE models, 3D models, technical documents, and metadata during design. As the system matures, the thread expands to include construction records, test data, training content, maintenance history, configuration information, and disconnected data.

A strong digital thread keeps this information connected and usable throughout design, construction, training, maintenance, operations, and modernization.

Digital Thread Lifecycle

01 Design/Baseline

Establish the authoritative technical baseline and connect the information teams need to design, review, and approve the system.

02 Build / Construct

Carry the baseline into construction by connecting configuration, test, inspection, and production information to the system being built.

03 Train / Prepare

Reuse trusted technical information to prepare operators, maintainers, program offices, and support teams.

04 Troubleshoot / Execute

Give teams the context they need to understand issues, coordinate work, and execute faster.

05 Operate / Sustain

Connect maintenance, supply, usage, and information to support the system in service.

06 Modernize / Scale

Preserve the digital thread as systems evolve, new capabilities are introduced, and additional partners are connected.

How Can Beast Code Help?

Beast Code has helped organizations across the DoW connect and operationalize information throughout complex system lifecycles.

Beast Core provides immediate value by allowing teams to search, navigate, and interact with 3D models, documents, metadata, and related technical information in a shared browser-based environment. Beast Code can then connect PLM, MBSE, maintenance, operational, and other authoritative sources without replacing the systems that already work.

How We Deliver

Modernize in Place - Connect PLM, MBSE, mission systems, and authoritative information without replacing existing tools or workflows.

Operationalize Information - Make lifecycle information easier to search, understand, and use within the workflows that depend on it.

Build Around the Mission - Start with the customer's workflow, validate solutions with users, and deliver capabilities iteratively.

Extend Without Vendor Lock - Preserve customer control of data, models, workflows, and future technology choices through an open, extensible architecture.

Trusted DoW Partner - Beast Code works exclusively with the Department of War and allied mission partners. We understand the security, acquisition, technical, and operational realities

Why It Matters

Weapon systems generate information across design, construction, training, maintenance, operations, and modernization. When that information remains disconnected, teams spend too much time finding data, reconciling sources, and rebuilding context.

A usable digital thread helps teams access trusted information, understand the current state of the system, and execute faster throughout its lifecycle.

Operationalizing information across the full system lifecycle.

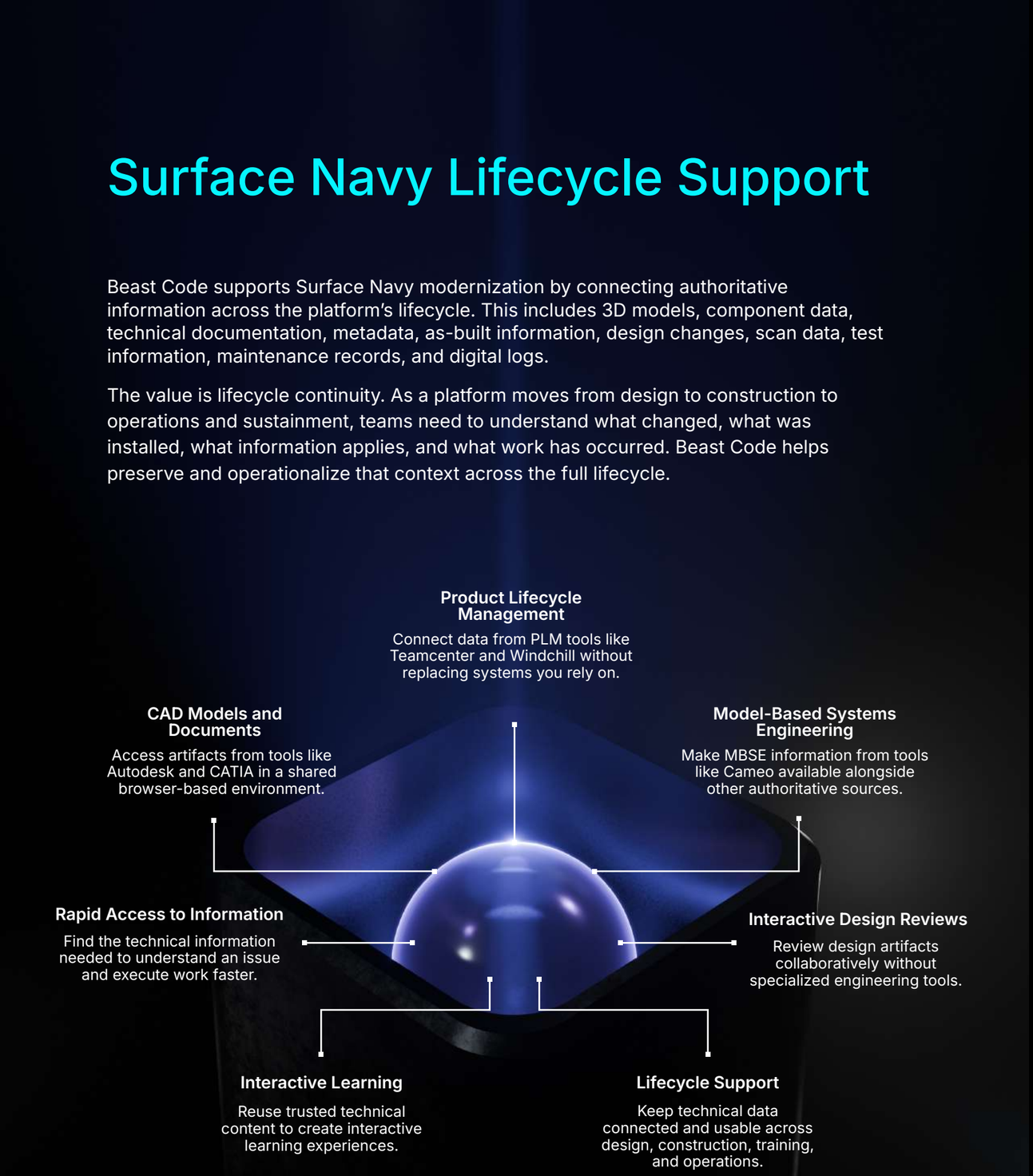
PROVEN MISSION PATTERNS

Repeatable approaches for modernizing complex defense missions in place.

Surface Navy Lifecycle Support

Beast Code supports Surface Navy modernization by connecting authoritative information across the platform's lifecycle. This includes 3D models, component data, technical documentation, metadata, as-built information, design changes, scan data, test information, maintenance records, and digital logs.

The value is lifecycle continuity. As a platform moves from design to construction to operations and sustainment, teams need to understand what changed, what was installed, what information applies, and what work has occurred. Beast Code helps preserve and operationalize that context across the full lifecycle.



Real-Time Sensor Integration

Connect sensor and operational data with the platform's digital model and technical information to provide context around system condition, configuration, and performance.



Predictive Analytics

Apply analytics to sensor and historical data to identify abnormal conditions and potential maintenance needs before they affect operations.

Troubleshoot and Execute

Use the digital model to visualize affected components. Maintainers can access technical documents, maintenance history, configuration data, and other information needed to understand the issue, build work orders, and execute work.

DoW Relevance

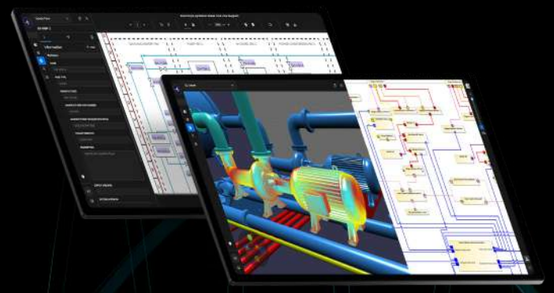
This pattern applies to weapon systems where configuration, technical data, lifecycle continuity, and sustainment directly affect mission availability. The same approach can connect authoritative information, improve access to technical context, and support faster execution across any complex weapon system.

Preserving the digital thread from as-designed to as-built to as-maintained.

Submarine Digital Thread

Beast Code supports submarine and undersea lifecycle workflows by connecting authoritative technical, configuration, maintenance, and operational information across the platform lifecycle.

The result is a persistent digital thread that helps teams access the right information faster, maintain configuration context, and support work from design and construction through training, maintenance, and modernization.



Design

Give government stakeholders the ability to interact with submarine design artifacts early in the design lifecycle, allowing them to work with shipbuilders to mature the inputs for downstream activities like construction and sustainment.

Construction

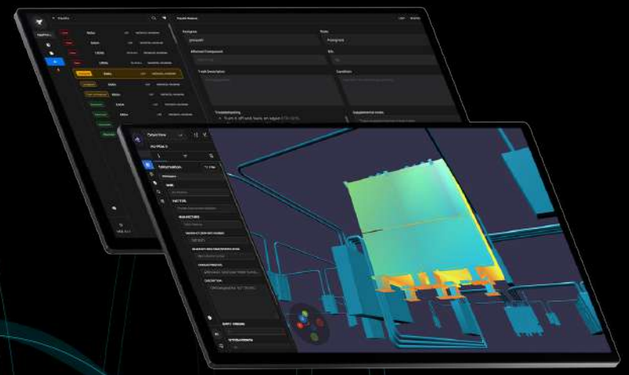
Allow program offices and shipbuilders to visualize schedules, progress, and configuration to identify issues earlier, prevent rework, and pull timelines left.

Training

Reuse design and construction information to create interactive learning experiences for operators, maintainers, and support teams.

Sustainment Ashore

Give maintenance organizations access to the technical and configuration information needed to plan, schedule, and execute maintenance activities.



Analysis

Use Beast Core to give engineers and analysts access to the digital thread performance data so they can visualize issues, understand technical context, and inform fleet recommendations.

Sustainment Afloat

Give crews access to technical documentation, configuration data, and the 3D model needed to operate, maintain, and troubleshoot submarines.

DoW Relevance

Submarine programs span decades, shipyards, program offices, maintainers, training organizations, and operational commands, so a digital thread must preserve technical and configuration context across design, construction, and sustainment. This pattern applies to any weapon system. Beast Code supports each phhase with flexible, modular solutions, letting organizations modernize at their own pace without giving up control of their data.

Subsurface readiness depends on keeping technical data, configuration, training, and sustainment connected.

Aviation Digital Modernization

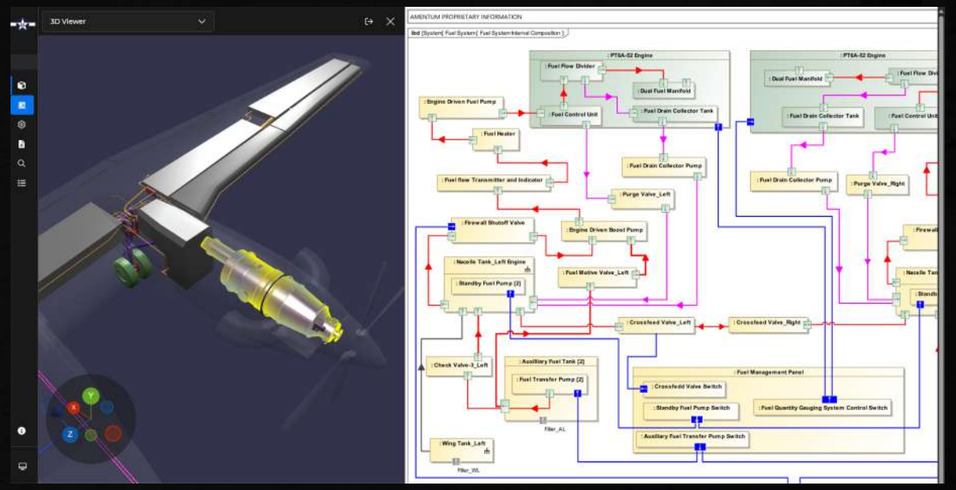
Beast Code has proven this approach on the B-52, bringing CAD, LiDAR scans, legacy technical documents, and other authoritative information together in a modern 3D environment.

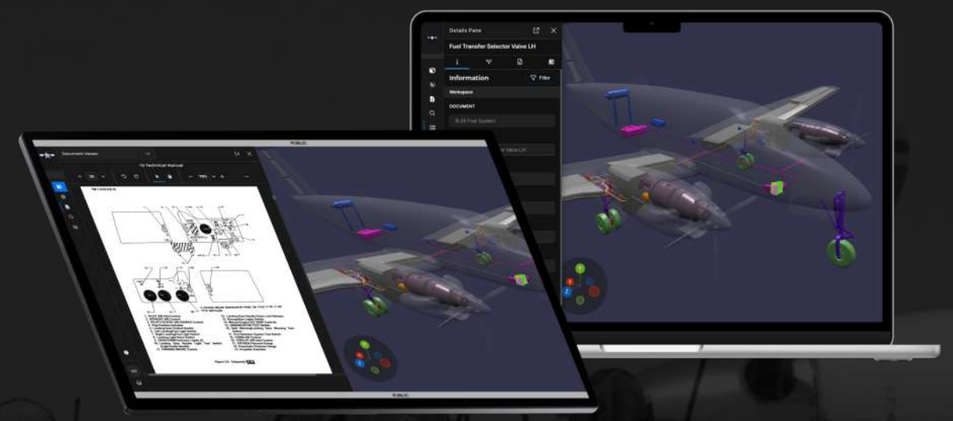
As aircraft age, technical information becomes fragmented across disconnected systems, formats, and workflows. By connecting that information around the digital model, Beast Code creates a persistent foundation for the digital thread.

Teams can then build mission-focused applications, workflows, training experiences, and engineering capabilities on top of that connected information to support sustainment and modernization.

For aviation sustainment and modernization teams, Beast Core helps answer:

- What changed on the aircraft?
- What configuration is current and authoritative?
- What systems, components, or interfaces are affected?
- What technical data applies?
- What sustainment or readiness risk does this create?
- What does the maintainer, aircrew, engineer, or program office need to know?
- How does this support future mission-system integration?





2D to 3D Conversion

Convert legacy 2D drawings and technical data into modern 3D models that are easier to visualize, navigate, and use in digital engineering workflows. This helps teams bring decades-old technical information forward without recreating the underlying engineering from scratch, often in weeks or months rather than years.

Reality Capture

Use laser scanning and or other reality-capture methods to create accurate digital representations of aircraft, components, facilities, and other physical assets. Teams can capture the as-built condition and compare it with existing technical information in hours, not weeks or months.

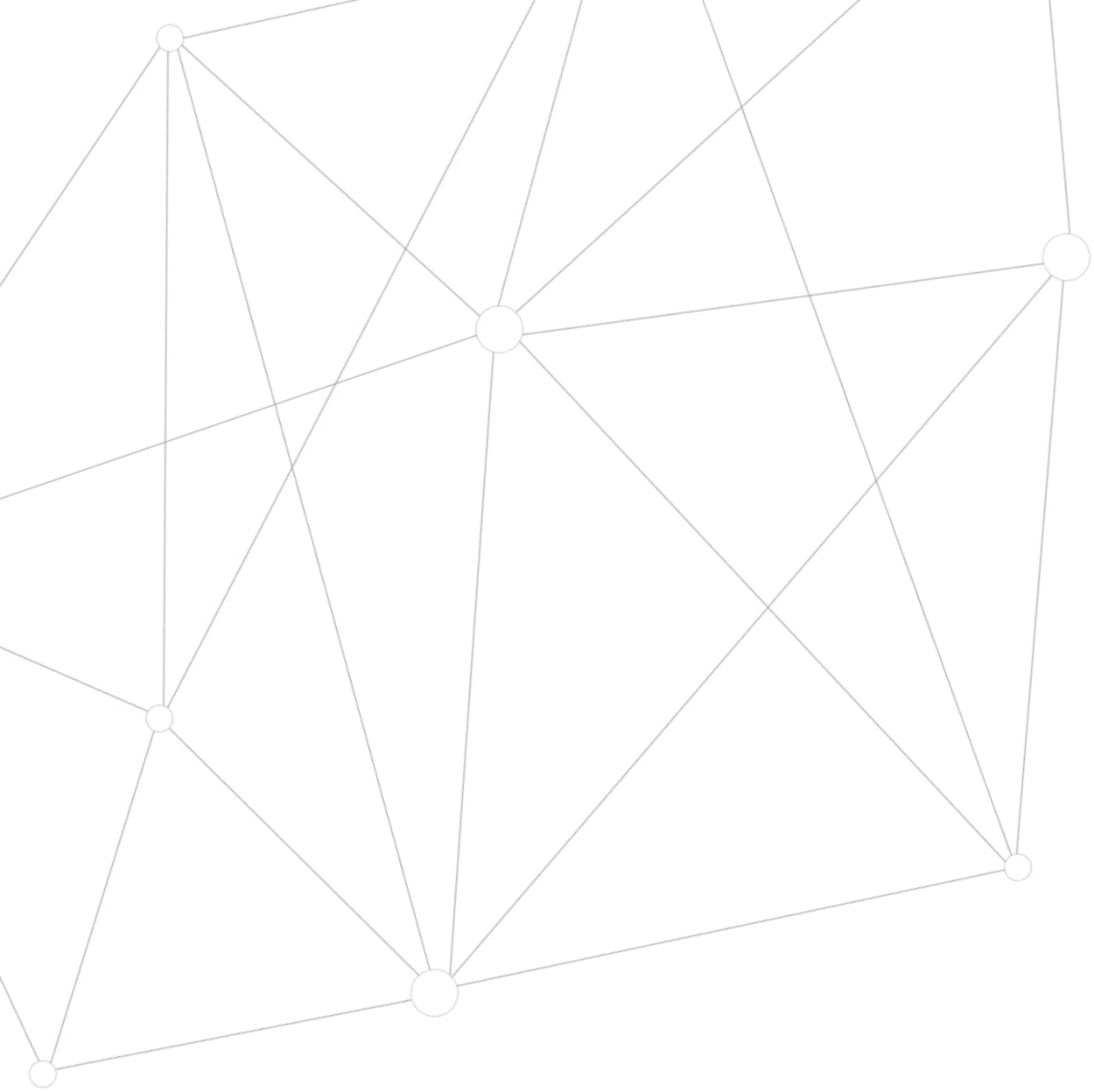
Digital Engineering

Connect functional models, technical data, system interfaces, and physical geometry in a shared environment. This gives engineers greater context when evaluating design changes and assessing how modernization efforts may affect the existing platform.

DoW Relevance

This pattern applies to aging weapon systems where legacy data, outdated engineering tools, and disconnected technical information make modernization difficult. The same approach can preserve authoritative information, improve access to system context, and support upgrades across aircraft, vehicles, ships, and other complex platforms.

Modernization fails when systems and workflows move on separate tracks.



Let’s Connect The Data Behind The Mission.

Beast Code helps mission teams connect fragmented information, modernize existing workflows, and build solutions around the way they operate.

Modernize in place. Preserve what works. Build what’s next.

Contact Us:

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