

C3 AI Decision Advantage

Accelerate Battlefield Decision Making Cycles with AI



Enhance Awareness

through a holistic, multi-domain common operating picture



Optimize Collection

with streamlined intelligence workflows to deliver timely insight synthesis



Act with Confidence

through AI-assisted target and COA analysis supported by robust evidence packages

C3 AI® Decision Advantage ingests, manages, and fuses multi-domain, multi-INT data to generate ground source truth, enabling faster decisions, optimized workflows, and improved collaboration across analysts, planners, and collection managers

C3 AI Decision Advantage aggregates disparate structured and unstructured data on an object-based unified data model that integrates with existing DoD/IC data fabrics. The application unifies disparate multi-domain, multi-source data and applies data veracity algorithms to ensure a trustworthy, high-fidelity entity catalog for use in downstream applications. Additionally, C3 AI Decision Advantage alerts analysts and data managers to sensor health concerns to identify and treat potential data quality issues.

Feature Summary

- **Connect and fuse multi-domain data** and sensors into a cohesive data fabric
- **Utilize cutting-edge AI and ML** to detect and resolve data veracity issues
- **Identify, track, and exploit** real-time intelligence seamlessly
- **Accelerate sensor-to-effector** timelines with AI solutions across F2T2EA tasks
- **Employ AI-driven optimizations** to rapidly develop collection schedules and synchronization matrices
- **Synchronize disparate teams** and share information through a true common operating picture
- **Augment human decision-making with AI** to identify and analyze targets of interest
- **Automate current tedious and manual processes** for collections requirements and tasks
- **Track and access enterprise data quality trends**, including data gaps and entry errors
- **Use AI-powered image analysis and classification** to perform battle effects analyses
- **Seamlessly integrate with existing data infrastructure** to accelerate access to AI insights without disrupting current processes

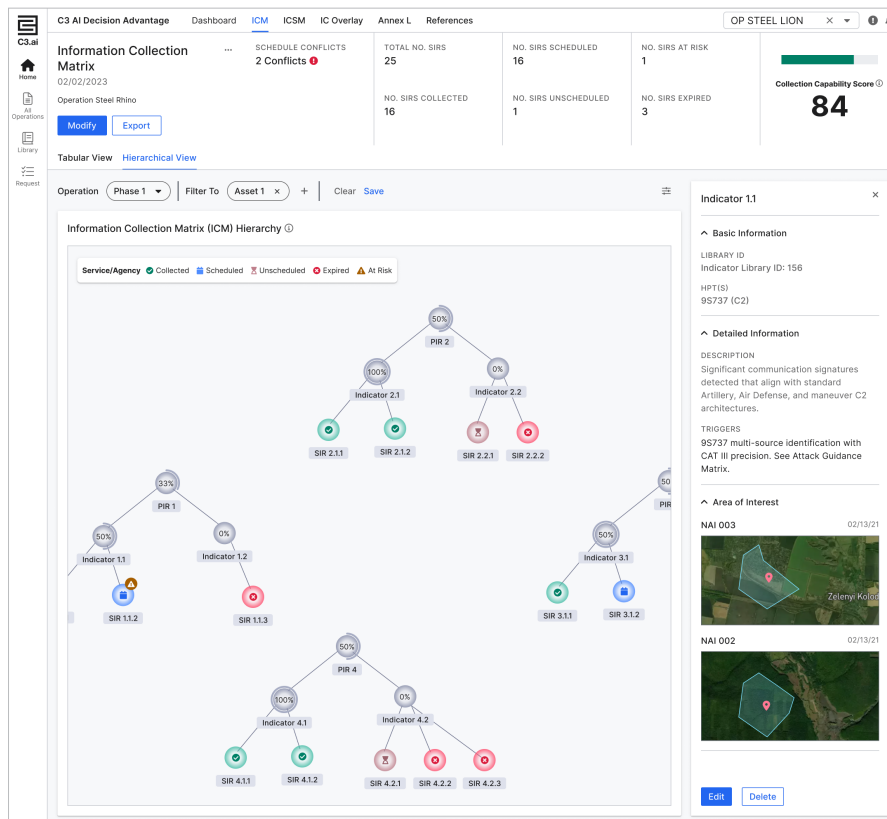


Figure 1. C3 AI Decision Advantage enables optimized collection management across organizations and mission systems.

Collect Information, Synthesize Intelligence, and Make Decisions

C3 AI Decision Advantage provides solutions across three mutually supporting modules: C3 AI Domain Awareness, C3 AI Collection Management, and C3 AI Battle Management.

C3 AI Domain Awareness provides a foundational unified data layer, multi-modal fusion engine, and a catalog of resolved entities for downstream applications and data managers. The patented C3 AI Platform integrates with existing data fabrics to offer a unified view of the underlying data objects, as well as serve data as part of a data marketplace. Robust evidence packages and entity details provide a trustworthy and transparent common operating picture.

Robust AI models and intuitive workflows power the C3 AI Collection Management module. This module provides decision makers and collection managers a seamless means to prioritize intelligence requirements, create optimized collection tasks, and process requests for collection through multi-INT fusion, sensor orchestration, and ISR scheduling optimization. Powerful and efficient workflows put the right data in the hands of analysts and decision-makers at the right time.

C3 AI Battle Management is at the heart of complex and time-sensitive kill-chains. C3 AI Battle Management uses advanced AI algorithms to synthesize intelligence and curate a list of high-priority targets for the operational analyst to investigate and recommend for action. For enhanced precision, C3 AI Battle Management provides the analyst and targeter AI-enhanced confidence intervals informed by the veracity and volume of the sensor data and image resolution confidence. Through tightly coupled AI models, C3 AI Battle Management can provide battle managers with actionable insights from target analysis and decision support through combat assessment.

Common to all three C3 AI Decision Advantage modules are comprehensive and intuitive evidence packages that provide interpretability and boost confidence in AI recommendations. These evidence packages can be exported and shared across every echelon of command.

C3 AI Decision Advantage can be extended and customized for unique command and control features and mission requirements.

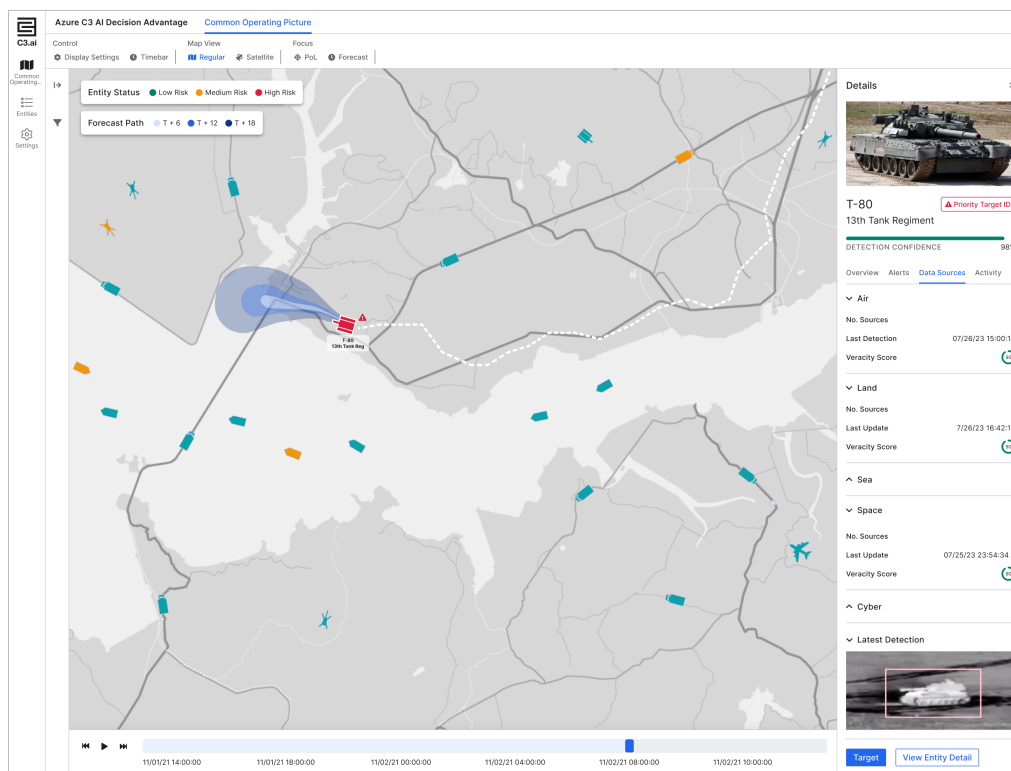


Figure 2. C3 AI Decision Advantage highlights high risk targets to support rapid decision making based on trustworthy, real-time data.

The operational benefits of C3 AI Decision Advantage accrue through multiple levers:

- **Enhanced situational awareness** through the integration, validation, and fusion of traditionally siloed sensor data
- **AI-optimized information collection** puts the right data in the right hands at the right time
- **Accelerated target resolution** delivered by advanced target recognition algorithms
- **Compressed time-to-action** through AI-assisted target risk prioritization and nomination

Proven Results in 6-Month Pilot

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