



SCI-EDGE® DECISION-MAKING SOFTWARE

SCALABLE DECISION-MAKING SOFTWARE

Faster, accurate decisions at the tactical edge

Battlefields are more connected than ever. Simplifying complex information is critical for connecting the edge and making real-time, informed decisions for mission success.

Collins Aerospace SCI-Edge® is a scalable software framework that assists in making time-critical decisions using machine learning-assisted intelligence. By bringing a multitude of intelligence, surveillance, target acquisition, and reconnaissance (ISTAR) data sources together, SCI-Edge enables commanders to arrive at higher quality answers using all available data, while reducing cognitive and manual burden.

SCI-Edge provides an integration point for providers and services, and offers multiple approaches and techniques – enabling teams and leaders to focus on what’s important.

Collins SCI-Edge is exportable, integrates with existing workflows and procedures, and offers streamlined integration with SCI-Toolset. Platform, sensor and modality agnostic, our SCI-Edge software is capable of scaling down for small austere environments and scaling up for large connected, multi-domain battle spaces. Capabilities can be configured to be used as an enterprise-wide system or to act as a virtual wingman, assisting with your mission.

KEY FEATURES & BENEFITS

- Advanced entity management
- Automated image screening
- Directive management
- Orchestration of strategic effects
- Platform, sensor and modality agnostic
- Train services and push them directly
- Pre-mission information prep and post mission analysis



Overview of detected objects..



Zoomed in view of detected object.

BRINGING OPERATIONAL CAPABILITY TO THE TACTICAL EDGE

In the above example images SCI-Edge was trained find pickup trucks from sample imagery. The first image is an overview highlighting 6 detected pickup trucks. The second image is a zoomed in view of one of the pick up trucks.

They key item here is the software learning to detect objects at oblique angles (ie: not looking straight down (like satellite) or close range (like full motion video)) and then presenting the answers quickly and simply for the operator to assess.

Specifications subject to change without notice.



COLLINS AEROSPACE

800.321.2223 | +1.319.295.5100

fax: +1.319.378.1172

learnmore@collins.com

collinsaerospace.com