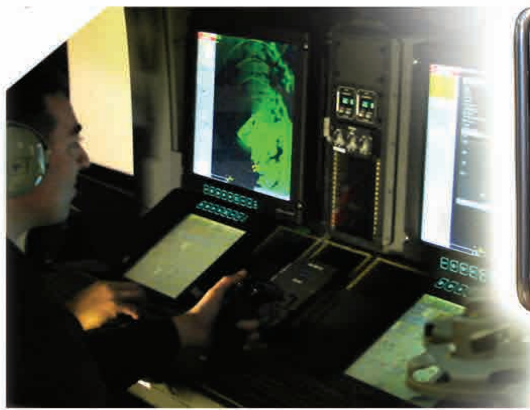


# Tactical Integrated Sensor Information System (TISIS)



## *Always Aware.*

Wide-ranging tactical decision aids improve operator effectiveness and allow prompt operator response times.

Integrates a modern multi-sensor suite providing mission crews with "all weather, day and night target identification and classification capability".

An Operator Machine Interface developed with extensive mission crew involvement provides operators with ability to respond effectively to real world mission requirements.

A complete suite of training devices, customized to end-user needs, ensures operation and maintenance personnel are quickly prepared to use and support the system throughout its life cycle, starting from its initial deployment.

## **Operationally Effective**

- Comprehensive sensor data fusion minimizes manual target correlation and reduces operator workload.
- Integrated display of tactical and sensor data enables operators to focus on the higher level tactical picture and improves overall situational awareness.
- Layered information display allows the operator to focus on critical mission parameters by eliminating non-essential data from the tactical picture.

## **Proven Technology**

- In-production, aircraft-qualified mission subsystems provide proven performance and ensure operational availability and capability.
- Comprehensive mission planning tools support complete customization of all elements of mission preparation.
- Post mission analysis tools enable tactical reconstruction for operator debriefing and instruction, as well as facilitate transfer of key mission data to intelligence and command stakeholders.

## **Fully Supported**

- Detailed maintenance analyses enable customization of the final maintenance concepts and supportability approaches to end-customer requirements and budgets.
- System hardware and software architecture is scalable for built in growth capacity for future sensors and more operators.

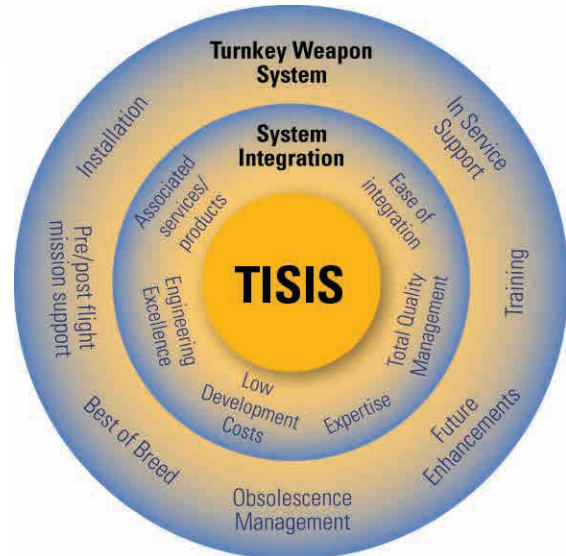
# Tactical Integrated Sensor Information System (TISIS) Mission Management System

## Features

- A flexible system architecture that can be configured to meet the constraints of functionality, packaging, weight and balance, and redundancy;
- A mission-oriented operator interface utilizing fully programmable controls and displays;
- Development of operator interface and toolset involved human factors engineering studies with input from operational aircrew;
- A fully integrated tactical navigation and data processing component;
- External interfacing using MIL-STD-1553B avionics data bus, Ethernet, ARINC 429, and Fibre Channel;
- Expansion capability to incorporate legacy interfaces where required;
- Operating systems supported: Windows, Solaris, and Linux, and;
- Interoperable with other platforms through standard military and commercial data links.

## Full Airborne Weapon System Solution

- General Dynamics offers a range of integration solutions from TISIS to a fully supported turnkey weapon system involving fixed-wing, helicopter or UAV platforms for long range patrol to special missions.



## Fielded on:



*Small footprint convection cooled system*



*Conduction-cooled for helicopter environments*



*Multi-operator convection cooled system*

## GENERAL DYNAMICS

Mission Systems

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