

# HELICOPTER CONTROL OFFICER TRAINING SYSTEM

The modern Helicopter Control Officer (HCO) requires advanced skills to coordinate helicopter missions and control own ship's airspace.

The Cirrus HCO Training System (HCO-TS) has been developed as the simulation solution to HCO training.



## Cirrus Real Time Processing Systems

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## benefits

- high fidelity simulation of multi-mode imaging and tracking radar
- simulation of surface returns, synthetic contacts and weather
- radar contact tracking for picture compilation
- simulation of naval radar and combat system displays
- simulation of SCA and ELVA landing aids
- simulation of aircraft kinematics and flight responsiveness
- powerful instructor software maximises knowledge transfer
- asset control software enables HCO to train aircraft control
- voice communication link for realistic HCO control of platform
- cost effective design based on COTS hardware

## overview

The HCO Training System has been developed in close cooperation with Prism Defence to provide cost effective simulation training in HCO skills.

The heart of the HCO-TS is a high fidelity radar simulator which emulates the operation of modern naval multi-mode radars, and simulates the surface and contact returns from own-ship position and orientation.

Instructors may create synthetic platforms which the HCO controls via a simulated voice communications link.

Separate asset control software enables Instructors to control helicopters in response to HCO command.

The kinematic response of aircraft, and the impact of wind and environmental factors increase the HCO's challenge.

Modern naval combat system features, including tools to assist HCO control of Ship Controlled Approach (SCA) and Extremely Low Visibility Approaches (ELVA) are emulated, providing the HCO with a working environment equivalent to those in at-sea conditions.

The HCO-TS is the answer to the challenge of training the modern Helicopter Control Officer.

