



KLEIN NAVIGATION

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RAYTHEON MARINE GmbH EXCLUSIVE DISTRIBUTOR

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KLEIN NAVIGATION, A DIVISION OF KLEIN ASSOCIATES, INC.
SHIPS FIRST
SERIES 1000 INTRUSION DETECTION RADAR SYSTEMS
TO THE U.S. NAVY

SALEM, NH (November 7, 2002) – Klein Navigation, a division of Klein Associates, Inc., completed the first phase shipment on schedule of the Series 1000 Intrusion Detection Radar Systems to the U.S. Navy for installation at four sites. Over lapping installations at the first four sites are scheduled to begin in November, 2002 with completion 90 days thereafter.

The Series 1000 Intrusion Detection Radar System is optimized to provide high probabilities of detection and tracking for small targets (swimmers and high speed small watercraft, such as RIBS and jet skis) in varying adverse sea state conditions. Depending on the site, first phase delivery consists of one or more Intrusion Detection Radar Systems linked to a centralized HarborGuard™ Command and Control (C2) Console, low light television and thermal imaging cameras and a Digital Video Recording sub-system. For the second phase delivery, Klein Associates, Inc. in partnership with Thales Underwater Systems of Templecombe, U.K. will provide multiple Diver Detection Sonar systems integrated into the HarborGuard™ Command and Control Console.

The fully integrated, highly reliable, Series 1000 Intrusion Detection Radar System can be rapidly deployed, has low maintenance costs, low false alarms and delivers consistent results with a user-friendly system design operated remotely from a main control room by unskilled personnel.

The Klein Series 1000 Intrusion Detection Radar consists of a modified Raytheon Pathfinder® ST 25 kW, X-Band Transceiver, pedestal and antenna array assembly that turns at 80 RPM (nominal) and the SeaScan RT Radar processor with SeaTrack 2000 target tracker (tracks 1000 targets).

The diver detection sonar design is unique in that it has the capability to reject interference from acoustic jamming and passing sea traffic, thus ensuring high performance in all operational conditions.

Securing every port and harbor worldwide against acts of terrorism is vital to the protection of both military and civil high value assets. This system was designed specifically to protect critical waterfront and floating assets against surface and underwater intruders.

Michael Mitchell, General Manager for Klein Navigation states “Klein is extremely proud to be in a position where we can use our technologies and those of our partners to contribute to our country’s Homeland Defense initiative.”

About Klein Associates <http://www.kleinsonar.com>

Klein Associates, Inc., is a pioneer and leader in the design and manufacture of side scan sonar, sub-bottom profilers, and related instruments and accessories for undersea search and survey. Founded in 1968, Klein has a worldwide reputation of excellence in the industry, and Klein equipment has helped find the Titanic, the wreckage of the Space Shuttle Challenger, and downed aircraft including TWA flight 800. Klein’s products are used by surveyors, oil companies, universities, and worldwide navies.

About Klein Navigation <http://www.kleinnavigation.com>

Klein Navigation is the exclusive US distributor for Raytheon Marine GmbH (RMG), a worldwide market leader of maritime navigation and communications systems. The company’s High Seas product line includes IMO-compliant ARPA Radar Systems, Electronic Charting Display & Information Systems (ECDIS), Gyrocompass Systems, Autopilot Systems, Steering Systems, Global Maritime Distress Safety Systems (GMDSS), Integrated Navigation Systems (INS), and Integrated Bridge Systems (IBS). RMG’s products are used by commercial shipping companies and worldwide navies.

About Thales Underwater Systems <http://www.thales-underwater.com>

Thales Underwater Systems is an international designer and manufacturer of high performance sonar equipment for ASW, mine hunting and swimmer detection.