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MODERN SHIP'S COMBAT MANAGEMENT SYSTEM SCOT

COMMAND AND CONTROL SYSTEMS

SCOT

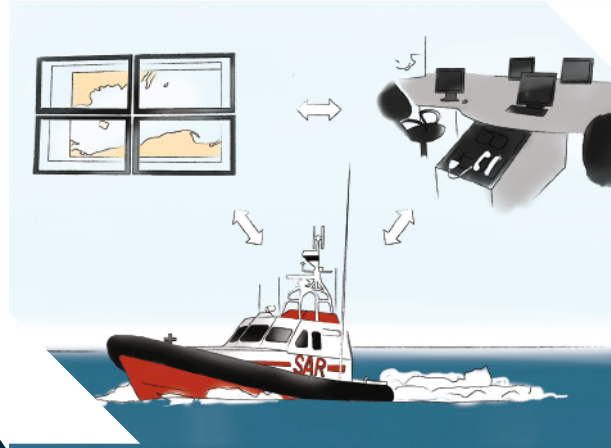


- integration of sensors and effectors
- scalability
- planning, implementation and evaluation support of combat tasks
- tactical situation developing and imaging
- recognition, identification and assessment of risks
- navigation maps and tactical navigation tasks
- automatic and manual assignment of arms
- multifunction operator consoles
- large format imaging
- simulation and training
- management and maintenance
- reliability

SCOT is a modern Combat Management System integrating the following systems: countering air, surface and underwater targets, combating asymmetric threats, technical observation, radars, communication and services provided by the integrated navigation system regarding ensuring the safety of navigation, monitoring the current geographical position and ship motion parameters. The integration of the subsystems is carried out based on the Ships Data Bus.



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The system supports the combat activity of the ship's crew in terms of effective utilization of all gathered on the ship sensors and effectors, as well as tasks (missions) planning, decision-making support and implementation of tasks. The scope of the subsystem integration is determined through defining a set of devices and elements of the ship systems (armament, technical observation means etc.) and technology to organize virtual networks (sub networks) of information exchange (data, image and sound).

MAIN FEATURES OF THE MODERN COMBAT MANAGEMENT SYSTEM SCOT

- Integration of sensors, effectors and other ship devices, such as: navigation radars, trackers, sonars, underwater vehicles, navigation radars, guns, rocket launchers, optoelectronic warheads, IFF, AIS, defence against weapons of mass destruction, passive defence, communications equipment for the needs of inter alia: LINK-11, LINK-16, OTHT GOLD, ACP127, 5066, Łeba-3
- Scalability, openness and large System configuration options through the use of a modular architecture, allowing the addition of new equipment (effectors/sensors) via the Ship Data Bus
- Assistance in the planning, implementation and reporting of mine measure and countermeasure operations
- Developing and imaging of the tactical situation around the ship on the basis of data from local ship sources and external sources, using modern information fusion algorithms allowing the handling of thousands of objects
- Assistance in the field of recognition, object identification and automatic assessment of the threat from the detected objects
- Navigation maps with support for inter alia S-57, S-63, AML, VPF
- Tools supporting planning and execution of tactical navigation tasks
- Automatic and manual creation of Engagement Channels
- Multi-functional operator consoles allowing implementation of tasks from any console after logging of the operator on the appropriate functional role
- Large imaging enabling the presentation of a selected scope of information on a large-size display
- Simulation and training
- Easy management through integrated management, monitoring and System maintenance modules
- Easy usage of the System through an ergonomic, multi-language interface and support system
- Reliability and high availability of the System through the use of redundant components, data bus, and dispersed data processing
- Processing of information of different clauses, including: secret, confidential, proprietary, NATO Secret/Confidential