THE ROLE OF BOAT IN MILITARY SECURITY SYSTEM ON CHANNEL SIDE

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Keywords: Surveillance ship, reconnaissance, swamps, lakes, rivers, poaching, GPS, FPV module, video image without internet.

Annotation.

In general, mobile boats protect maritime boundaries, prevent attacks, and maintain strategic superiority, naval forces are essential to national security. The various kinds of military vessels employed in security operations, their technological developments, and their influence on contemporary combat are all examined in this essay. It also draws attention to the difficulties and potential of naval defense systems in the future.

Overview a city's economic prosperity and sovereignty depend on the safety of its maritime borders. With their use in direct combat, deterrent, surveillance, and logistics, military ships are an essential part of a country's defense. As naval warfare has developed, contemporary warships are now outfitted with cutting-edge technologies to combat a variety of threats. This essay offers a thorough examination of naval military capabilities and their importance in modern security plans. Boat has types different ship types are used by military naval forces, each of which is intended for a certain security function. These consist of:

Boat type	Primary Function
Aircraft Carriers	Power projection, air superiority
Destroyers	Offensive and defensive missile operations
Frigates	Escort missions, anti-submarine warfare
Submarines	Stealth operations, intelligence gathering
Corvettes	Coastal defense, anti-piracy
Amphibious Assault Ships	Troop and vehicle deployment
Patrol Boats	Territorial water security, anti-smuggling
Mine Countermeasure Vessels	Naval mine detection and removal
Supply Ships	Fuel, ammunition, and personnel transport
Command Ships	Advanced communications, operation coordination

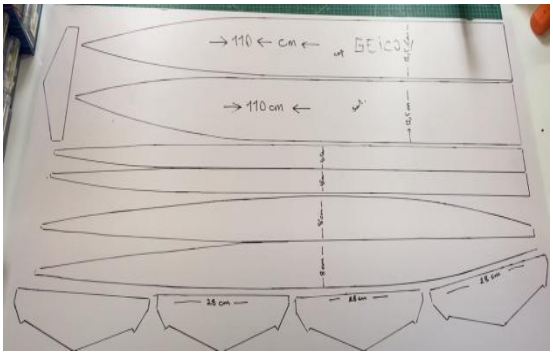


Figure-1. Observing boats.

Naval Security Technology Developments Cutting-edge technologies are incorporated into contemporary military vessels to improve their security capabilities.

Naval Forces' Strategic Significance The stability of the world depends on naval security. Military ships play the following strategic roles: Deterrence Against Threats: Potential aggressors are deterred by the presence of naval troops. Protection of Maritime Trade: This safe guard’s economic interests by ensuring the safe passage of commercial vessels. Power Projection: By stationing troops in strategic areas, this strategy increases national influence. Humanitarian help and disaster response: prompt distribution of aid in times of crisis and natural disaster. Operations related to counterterrorism and anti-piracy: preserving safety in hazardous areas. Allied Naval Cooperation: enhancing international alliances via cooperative drills and operations.

Main goal of this security boat is to put an end to large-scale and small-scale poaching in lakes and rivers and to assist in reconnaissance work in lakes in the border regions of our republic. Research of security boat is GPS coordinates input and autopilot navigation. FPV module transmits video to the center at a distance of 25 km without internet.

We receive a practical data among the test, when we presented it to the head of the Defense Industry Agency of the Republic, it was very well received and when tested, a positive result was achieved. This project was also presented to the head of the T-3 Foundation in the Republic of Turkey, Elvan Kuzucu Hidir, and they expressed interest. This “Observation Ship” was also presented to the Minister of Higher Education, Science and Innovation of the Republic of Uzbekistan, Kungirotboy Sharipov, and the Minister of Education and Science of the Republic of Tajikistan, Rahim Saidzoda.

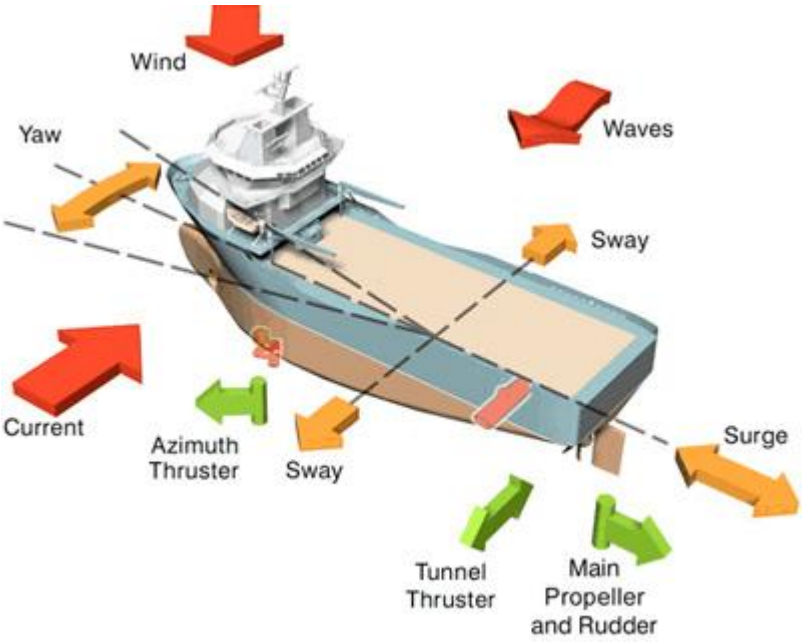
The "Observation Ship" we built is 3-4 times cheaper than foreign ones and has many additional functions. For example, after the device collects information during

reconnaissance, it has developed a self-destruct system if it falls into the enemy's hands. We are currently further improving this system.

In the beginning we receive a first step of protype of boat.	GPS coordinates input and autopilot control system software	Sending video data to the database up to 25 km without internet via FPV module	Ready state.

Difficulties with Naval Security Even with improvements, military naval forces still confront a number of difficulties: Cost and Maintenance: It takes a large financial investment to develop and maintain cutting-edge warships. Asymmetric Threats: Unconventional, small forces, like terrorists and pirates, provide non-traditional security threats. Concerns about the environment: Naval operations' effects on marine ecosystems are a persistent problem. Cyberwarfare: As naval forces rely more on digital technologies; they are more susceptible to cyberattacks. Ageing Fleets: The requirement for ongoing upgrading and replacement of antiquated ships. Geopolitical Tensions: Disputes over maritime domains that intensify naval encounters.

Outlook for the Future There is room for more development in the field of military naval security. New developments include: Robotics and AI Integration: Improving the capacity for autonomous combat. The creation of green warships: utilizing sustainable technologies to lessen the impact on the environment. Using satellite technologies to improve communication and monitoring is known as "space and naval synergy. Advanced Energy Weapons: Better defense systems using directed energy weapons like lasers. Reducing dependency on fossil fuels and improving operating efficiency are two benefits of hybrid and fully electric propulsion systems.
Next-generation naval architectures: multipurpose, modular ships that can adapt to changing combat situations.



Conclusion.

Because they offer defense, deterrence, and strategic influence, military ships continue to be a vital component of international security. In order to preserve maritime dominance, naval forces must adjust through strategic innovation and technological breakthroughs as threats change. In addition to being essential for national defense, ensuring naval superiority is also essential for preserving peace and stability internationally. Future security concerns will require international cooperation and investments in cutting-edge naval technologies. It performs reconnaissance functions in wetlands. Because poaching is rampant in lakes and rivers in remote areas. And these cannot always be guarded by guards from different places. The surveillance ship we built can enter any wetland and deliver information remotely.

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