SAVDHAN

Scan, **A**nalyze, **V**alidate, **D**iscriminate, **H**ighlight, **A**ssess and **N**eutralize

SAVDHAN

SAVDHAN's groundbreaking approach relies on indigenous innovations to detect and identify ship wakes and submarine wakes. This technology surpasses the limitations of traditional radar and sonar systems, revolutionizing naval surveillance with heightened precision and effectiveness.
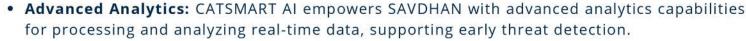
FEATURES

- Integration of Cutting-edge Technologies:
  - Laser Backscattering
  - Big Data & AI
  - IoT (Internet of Things)
- Non-Invasive In-situ Remote Surveillance
- Ocean Monitoring for Intrusion Detection
- Real-Time Interpretation
- Portable and Compact.
- Low Power Consumption.
- Cloud-based Big Data Analytics and Streaming for Global Access.
- **Advanced Non-Invasive Surveillance:** SAVDHAN revolutionizes maritime monitoring with advanced real-time, non-invasive surveillance capabilities and flexible deployment options.
- **Monitoring Natural Phenomena Like Waves and Currents:** SAVDHAN extends its surveillance to natural phenomena such as waves and ocean currents, providing comprehensive data for various purposes.
- **Long-Distance Target Detection:** SAVDHAN excels in detecting targets over extended distances.

- **Ability to Distinguish Between Different Targets:** SAVDHAN possesses the capability to differentiate between various types of targets.
- **Collection of Surface/Subsurface Information:** The system collects comprehensive data from both surface and subsurface sources.
- **Discrimination of Approaching and Descending Ships/Submarines:** The system can distinguish between ships and submarines as they approach or descend.
- **Ship Tracking and Monitoring:** Ensures maritime security and efficient rescue operations with real-time vessel tracking capabilities.
- **Target Speed Detection:** SAVDHAN accurately detects the speed of targets, a vital parameter for surveillance.
- **Monitoring Shipping Traffic and Divers:** SAVDHAN monitors shipping traffic, including fishermen's activities, and can detect divers in the monitored area.

Pyrotech

SAVDHAN CATSMART BIG DATA

- **Advanced Analytics:** CATSMART AI empowers SAVDHAN with advanced analytics capabilities for processing and analyzing real-time data, supporting early threat detection.
- **Pattern Recognition:** CATSMART AI algorithms excel in pattern recognition, enhancing target distinction and threat identification.
- **Predictive Modeling:** CATSMART Big-Data develops predictive models, anticipating vessel movements and potential incidents.
- **Efficiency through Automation:** CATSMART AI automates routine tasks, allowing efficient monitoring and tracking of maritime activities.
- **Data Fusion:** CATSMART Big-Data facilitates data integration from various sources, enhancing situational awareness.
- **Real-Time Decision Support:** CATSMART AI provides real-time decision support through rapid data processing, enabling prompt responses to security threats and emergencies.
- **Continuous Adaptation:** CATSMART AI algorithms continuously learn from new data, ensuring adaptability to evolving threats and dynamic maritime environments.

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https://pyrotechindia.com

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