



# YAKAMOS 2020 New Generation Hull Mounted Sonar System



## Innovation Blended with Experience

YAKAMOS 2020, is a modern Hull Mounted Sonar System, which is carrying over 10 years of field experience and sea proven performance as a heritage acquired by MILGEM Sonar YAKAMOS and having increased capabilities with innovative hardware infrastructure compatible with current technology.

## Key Features

- Medium frequency Hull Mounted Sonar System for Corvettes and Frigates
- Sea proven performance all over the World with MILGEM
- Ruggedized design
- Mil-Spec compatibility
- Backward compatibility with YAKAMOS
- Open architecture design
- Ready to Integrated Sonar Suite (ISS) structure
- Software Defined Sonar (software configurable)
- Scalable & Configurable & Reliable & Maintainable
- User friendly operator interface
- Stand-alone system with multiple interfaces to detect, track and classify
- Automatic target tracking
- 360 degrees of surveillance for torpedo
- Simultaneous active and passive 360 degrees of operation
- Built-in-test capability
- Integrated on-board simulator with raw data recording and playback capabilities
- Integrated on-board training mode
- Interface with XBT (Expendable Bathythermograph) and Performance
- Prediction Function for Sonar Optimization
- Interfaces with UWT, CMS, TCMS and SDDS
- Safe operation for marine mammals with adjustable source level
- Omnidirectional, sectorial, rotational, mine like object and obstacle avoidance transmission modes
- Interoperability with towed arrays and sonobuoys



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# YAKAMOS 2020

## Experience of The Depths Revealed



### Improved Technology

With a more compact, more capable, modular and innovative scalable hardware and configurable software architecture, YAKAMOS 2020 is easily adaptable to developing technology and changing acoustic environmental conditions. YAKAMOS 2020 stands out with its ability to outperform similar sonar systems in the world market. The system, which is able to work with high performance for longer periods by increasing the efficiency in power modules, can also detect potential threats from longer distances by updating the sensor (transducer) architecture.

### General Features



Anti Submarine Warfare and Mine Avoidance Sonar



Sea Proven Algorithms



Modern Console Design and User Interface



Software Defined Scalable and Configurable Architecture



More Compact, More Capable, Modular and Innovative



Lifetime Integrated Logistics Support

### Experience & Support

With the common use of configurable and scalable modules for the sonar systems designed for platform configurations of operationally different type and dimension, it is targeted to save on integrated logistic support (ILS), life time management and spare part costs.

Sonar operators will use well known, usual and familiar interfaces while using the advantages of new technologies.

YAKAMOS 2020 is a user-friendly sonar blended with the experience of YAKAMOS sonar.

