

CURRENT PROJECT TOR 994 CLASS Royal Thai Navy

The GAT Group is working with maritime contractors in Thailand to design and deploy ultrasonic anti-fouling solutions for the Royal Thai Navy.

Design solutions have been developed which provide comprehensive anti-fouling protection for the TOR 994 Class of Royal Thai Navy "Fast Attack" vessels. The GAT Group develops robust industrial-grade ultrasonic solutions for demanding applications in the commercial and governmental sectors.

Custom ultrasonic systems are provided which meet exact client specifications. Solutions can be deployed rapidly and reliably.

Below: Customizable controller system capable of up to 12 transducer outputs.



VESSEL	CLASS	TOR 994
	LOA	41.7M
	BEAM	7.2M
	DRAFT	1.8M
	TONNAGE	215
	SPEED	27 KNOTS



ROYAL THAI NAVY



Above: Photograph of Royal Thai Navy TOR 994 class vessels.

SYSTEM	CONTROLLERS	1
	TRANSDUCERS	12
	INPUT VOLTAGE	240VAC
	WATTS OUT	500

SPEED MATTERS

The TOR 994 Class belongs to the Royal Thai Navy's "FAST ATTACK" fleet. These ships are designed for rapid deployment, recognizance, and interception. Fouling on the hull and stern gear can dramatically affect the performance of these ships. Anything less than an aggressive anti-fouling regiment is unacceptable given the circumstances.

TROPICAL FOULING

The coastal waters of Thailand are warm and tropical. This equatorial environment generates rapid accumulation of marine fouling year-round. Aggressive anti-fouling measures must be taken in Thailand's waters.

ULTRASONIC SOLUTIONS

Rapid growth fouling requires aggressive solutions. To remain effective, Thailand's FAST ATTACK fleet must be outfitted with the most comprehensive anti-fouling solutions.

The GAT Group is providing high power ultrasonic anti-fouling solutions to ensure the TOR 994 fleet is fast and responsive. Our solution utilizes a single robust central control unit in each ship. The controller features redundant 240VAC power input and provides individual transducer frequency control and calibration.

The TOR 994 systems are provided with twelve high intensity (HIT) trans-

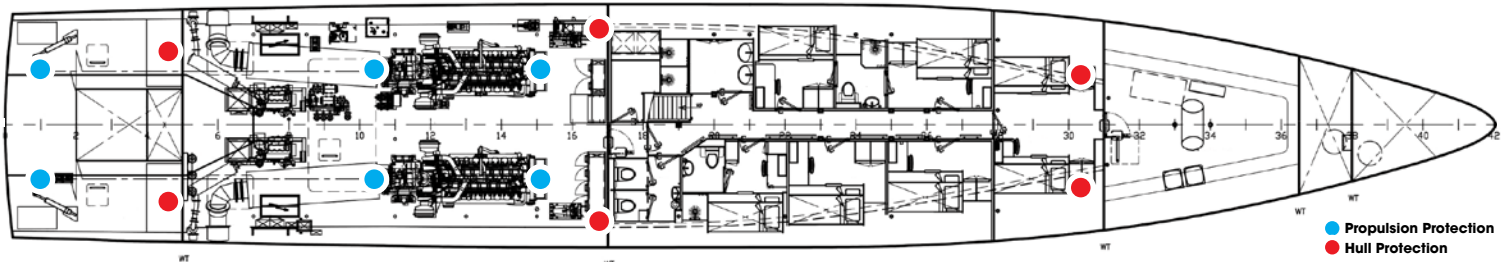
ducers which deliver high intensity ultrasonic protection to the hull, sea chests, and propulsion systems.

Discover more about ultrasonic anti-fouling at GAT Group's website: <https://gatgroup.net>.



Below: GAT Group's high intensity (HIT) ultrasonic transducers deliver immense power in a compact, chemical resistant package.

Below: High Intensity (HIT) ultrasonic transducer placement within the TOR 994 class FAST ATTACK fleet.



● Propulsion Protection
● Hull Protection