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Active Towed Array Sonar Actas

The ATLAS ELEKTRONIK Active Towed Array Sonar (ACTAS) is a low-frequency ASW sonar system that operates simultaneously in active and passive modes and provides high-resolution target detection. The detection ranges of ACTAS exceed the weapons range of hostile submarines, thereby denying the enemy an offensive capability.

WASS ATAS (ACTIVE TOWED ARRAY SONAR)

The company's spectrum of sonar systems for surface

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combatants consists of active and passive sonars ranging from the hull-mounted sonar (ASO) through to the low-frequency active towed array sonar (ACTAS). ATLAS ELEKTRONIK systems meet the requirements of nearly every conceivable mission scenario with diverse roles, resolutions and applications.

Navy gets array sonars but ships yet to get fitted | India ...

ATAS stands for Active Towed Array Sonar. ATAS is defined as Active Towed Array Sonar rarely.

Navy to get Sonar systems

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The towed array sonar ACTAS operates in the low-frequency range from about 2 kHz and permits observation of the sea space at ranges considerably above 60 kilometres, depending on the propagation conditions of the water. This gives the sonar an operational range that by far exceeds that of radars and the weapons range of submarines.

ACTAS Sonar Systems for the Indian Navy - Defense

Update:

Euronaval 2016: Leonardo introduces ATAS towed array sonar for Italian PPAs. It

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was also noted that the sensor is smaller and lighter than other active sonars with a similar range, measuring one metre long and weighing eight tonnes. According to Leonardo, ATAS offers detection that overcomes the first acoustic convergence zone, that is at up to 40km in the Atlantic Ocean in certain seasons.

ATLAS ELEKTRONIK - Naval Technology

Atlas Elektronik AVtive Towed Array Sonar (ACTAS) system is a sonar sensor towed behind the vessel, capable of detecting submarines at a distance in excess of 60 km. Atlas

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Elektronik and the Indian Ministry of Defense have signed a contract for the delivery of six active towed array sonar systems (ACTAS) for the Indian Navy.

EuronaVal 2016: Leonardo discloses new Active Towed Array ...

A towed array offers superior resolution and range compared with hull mounted sonar. It also covers the baffles , the blind spot of hull mounted sonar. However, effective use of the system limits a vessel's speed and care must be taken to protect the cable from damage.

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ATLAS ELEKTRONIK to deliver Bow and Towed Sonar systems

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According to naval sources, Indian ships currently use bow mounted sonar or hull mounted sonar, which is less effective. The towed array sonar, on the other hand, provides observation of the sea space at ranges considerably above 60 kilometres, depending on the propagation conditions of the water.

Atlas Elektronik to Supply Sonar for Royal Thai Navy's New ...

To track enemy submarines, ASW corvettes need to have something known as Active

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Towed Array Sonar or Actas. This is a system of hydrophones towed behind a vessel on a cable that can be kilometers long. This keeps the array's sensors away from the noise sources of the ship towing it, thereby improving its signal-to-noise ratio.

MFTA: The US Navy's New Towed Array for Naval Detection

To track enemy submarines, ASW corvettes need to have something known as Active Towed Array Sonar or Actas. This is a system of hydrophones towed behind a vessel on a cable that can be kilometers long. This

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keeps the array's sensors away from the noise sources of the ship towing it, thereby improving its signal-to-noise ratio.

Towed array sonar - Wikipedia

The ATLAS ELEKTRONIK Active Towed Array Sonar (ACTAS) is a low-frequency ASW sonar system that operates simultaneously in active and passive detection modes and provides high-resolution target detection.

Euronaal 2016: Leonardo introduces ATAS towed array sonar ...

The Indian Navy's indigenous Kamorta class ASW corvette

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is slated to be equipped with Atlas Elektronik's low frequency Active Towed Array Sonar (ACTAS). NEW DELHI: India will get six low frequency Active Towed Array Sonar (ACTAS) systems, that will be fitted on the Kamorta-class corvettes, later this year from Germany.

Indian Navy is commissioning warships by the dozen but are ...

Euronaval 2016: Leonardo discloses new Active Towed Array Sonar system. The sensor can also automatically extract the acoustic characteristics of targets and, by comparing

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this data with its internal database, quickly identify the threat. ATAS is the latest product of Leonardo's 150 years of experience in underwater weapons systems. The company's products have been selected, and are in operation, in over 30 countries.

Navy to soon get latest Sonar systems for anti-sub warfare ...

ATLAS ELEKTRONIK GmbH has been commissioned by the Korean yard Daewoo Shipbuilding & Marine Engineering (DSME) with the supply and integration of a bow sonar (ASO) as well as a low-frequency active towed

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array sonar (ACTAS) for a new frigate of the Royal Thai Navy.

Active Towed Array Sonar ACTAS Outstanding Over-The

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Unlike a ship's main bow-mounted sonar, towed arrays can quickly be fitted to any ship with a minimum of yard work. Towed arrays will also be necessary adjuncts to future unmanned anti-submarine vehicles, as their low weight and streamlined shape makes them usable by smaller platforms.

Anti-Submarine Systems | ATLAS ELEKTRONIK

The towed array sonar

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provided by ATLAS permits observation of the sea space at ranges considerably above 60 kilometres, depending on the propagation conditions of the water. This gives the sonar an operational range that by far exceeds that of radars and the weapons range of submarines. The system is, therefore, not only ideal for hunting submarines but also for the wide-area reconnaissance of surface combatants.

Developments in Sonar Arrays. - Free Online Library

ACTAS Active Towed Array
Sonar ASO Hull ... Anti-
Submarine Systems ... a

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sound decision Anti-Submarine Systems. Active Towed Array Sonar ACTAS Hull-Mounted Sonar ASO Underwater Warfare Simulation ODIN Anti-Torpedo-Torpedo SeaSpider® Legal Information ...

ACTAS | ATLAS ELEKTRONIK

ATAS (Active Towed Array Sonar) system is a Low and Medium Frequency Active and Passive Variable Depth Sonar. The system provides simultaneously: panoramic surveillance in active mode and passive mode, automatic classification of threats and torpedo alarm. ATAS is the best trade-off between size, weight and performance.

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Indian MoD signs for ACTAS low-frequency towed array

This includes the very large Slasm system developed for the French Navy's big destroyers Tourville and de Grasse. The Slasm combines an active LF variable-depth sonar (VDS) with a Very Low Frequency (VLF) towed receiving array and an MF/LF hull sonar. Lfas systems operate below the frequency at which submarines' anechoic tiling is effective.

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