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Rohde & Schwarz to supports expansion and modernization of Brazilian Navy

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Artist impression of Tamandaré-class. TKMS image

Rohde & Schwarz has been awarded a contract from the Águas Azuis Consortium to supply the communications and intelligence suites for the Brazilian Navy's Tamandaré Frigates Class program.

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Rohde & Schwarz press release

Rohde & Schwarz has been chosen by the Águas Azuis Consortium for the Brazilian Navy's Tamandaré Frigates Class program to be fully responsible for the development, design, production, integration and acceptance of the external and internal communication suite and will supply communication electronic support measures (C-ESM).

The Águas Azuis Consortium, formed by thyssenkrupp Marine Systems, Embraer Defense & Security and Atech, has been selected by the Brazilian Navy to construct four surface combatants based on the MEKO A100 design as part of the Tamandaré Frigates Class program. All vessels will be built in Brazil with delivery scheduled between 2024 and 2029.

Rohde & Schwarz will provide the external communications architecture, the modern and fully IP-based integrated communications system (NAVICS) of the frigates, and cutting-edge antenna systems.



Rohde & Schwarz will supply the communications and intelligence suites for the Brazilian Navy's Tamandaré Frigates Class program. Rohde & Schwarz picture.

"Rohde & Schwarz already has systems installed onboard naval vessels (Barroso class) and with the air force. This means the current solution will extend joint interoperability in the Brazilian armed forces."

"An added value is that with Rohde & Schwarz Do Brazil we have a strong local base for engineering support, integration, services and maintenance – a solid foot print that enables local industrial partners to provide naval communications and intelligence system support. We will deliver a safe, future-proof investment for the Brazilian Navy on time and on budget."

Hansjörg Herrbold, Vice President Market Segment Navy Rohde & Schwarz.

As a system integrator and manufacturer of all core components, Rohde & Schwarz delivers turnkey and trusted solutions. This leads to higher reliability, performance and efficiency, which means more value for money. In addition to external communications, NAVICS provides onboard communications and ensures a multilevel security architecture that allows secure, trusted and tamper-proof communications, i.e. third parties will not be able to interfere with information exchange. The company's naval C-ESM passive sensor and antenna solutions enable the frigate to exploit the electromagnetic spectrum and adversary communications in order to counter conventional and asymmetric threats against their coastlines, national borders and logistics channels.

-End-

Naval News comments:

TKMS was selected by the Brazilian Navy for the construction of four surface combatants as part of the Tamandaré Corvettes Class Program as preferred bidder in March 2019.

The Brazilian Navy's future corvettes have a total displacement of 3,455 tons, with a length of 107.2 m, width of 15.95 m and draft of 5.2 m. The two-shaft propulsion system will consist in four diesel engines MAN 12V 28/33 DSTC, electric power provided with four Caterpillar C32 diesel generators. The maximum speed of the design is 28 knots, economic – 14 knots.

TAGS

Brazilian Navy Communication Systems Electronic Warfare Rohde Schwarz Tamandaré-class



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Martin Manaranche is based in France. After a Master degree in International Relations specialized in defence, Martin has worked in the defence industry for a few years in Asia-Pacific. He is particularly fond of naval defence issues.



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