

Rohde & Schwarz at IDEX 2017: system solutions for all branches of the armed forces

Rohde & Schwarz offers technologically advanced systems for radiomonitoring and secure communications. At IDEX 2017 in Abu Dhabi, the German electronics company will present its ELINT solution for detecting, monitoring and analyzing radar signals. A further highlight will be the innovative platform of interoperable, powerful communications systems for use on land, in the air and at sea.

Munich, February 09, 2017 — From February 19 to 23, 2017, Rohde & Schwarz will showcase its comprehensive portfolio of products at IDEX, the International Defence Exhibition and Conference in Abu Dhabi. The highlights will include a new ELINT system developed by Rohde & Schwarz to increase the effectiveness of R-ESM systems. Developed with a particular focus on ease of operation and full functionality, the system is optimized for detecting, monitoring and analyzing today's advanced radar signals. Designed to master challenging signal scenarios, the system solution has already proven itself in operation, especially in acquiring weak and LPI signals in dense signal environments and analyzing state-of-the-art multifunctional radars with complex signal structures. The hardware and software are closely harmonized and ensure consistent operation, from acquisition to updating national databases. The innovative ELINT system is modular, scalable and can be used on a variety of platforms. It is already deployed by major European countries.

Rohde & Schwarz equips armed forces with secure communications solutions that enable both interoperability and national information superiority. For mission communications to be effective, national interests have to be protected and communications channels have to be set up between the various forces and countries. This is achieved by using state-of-the-art IP technologies that permit the flexible use of waveforms. Rohde & Schwarz was in charge of the development of the joint radio system (SVFuA) for the German Armed Forces. In this groundbreaking project, for the first time, the electronics corporation ported internationally recognized SCA-based waveforms to the radio. The R&S HDR family of high data rate and jam-resistant waveforms were developed to precisely match a variety of application scenarios, providing flexible and secure voice and data transmission. In combination with the advanced, IP-based software defined radios (SDR) from Rohde & Schwarz, the system

solutions offer exceptional communications features for vehicular, handheld and airborne platforms.

R&S NAVICS from Rohde & Schwarz is the first system to take advantage of commercially available IT technologies for naval military communications. Initial references include the British Royal Navy, which equips its Type 26 global combat ships (GCS) with the technology, and the Royal Malaysian Army with its littoral combat ships (LCS).

R&S NAVICS is an IP-based system that represents the core component for the next generation of user-friendly and economical voice and data communications on all classes of ships. It interconnects the distributed on-board voice terminals and all other subsystems for internal and external communications via a uniform IP network. Operation of the technically complex system is kept uncomplicated and modern with an intuitive GUI.

The Rohde & Schwarz portfolio was enhanced to include the proven COMINT/C-ESM solutions that can be fully customized to meet the requirements of the most diverse intelligence missions. Radiomonitoring systems from Rohde & Schwarz are deployed on stationary, mobile, naval and airborne platforms around the world. The electronics company will also be showcasing a new solution that addresses a current and growing security threat. The R&S ARDRONIS radiomonitoring solution allows early detection and location of the signals used to control commercial drones and, if necessary, can prevent the drones from being used.

Rohde & Schwarz will present its portfolio at IDEX in Abu Dhabi, Hall 8, German Pavilion, booth C06. For more information, visit <https://signals.rohde-schwarz.com>.

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Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

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