



**PoCTEX**

## **Rostec creates mobile phone for marine vessels**

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*Press release*

**Ruselectronics holding company, part of Russian State Corporation Rostec, has developed a multifunctional integrated communication complex called MIKS. It is designed for the digitalization of communications on marine vessels, and contains a mobile segment – base stations, mobile phones and sensors measuring the physiological state of the crew. The complex is entirely built on Russian hardware and software platform.**

The complex is the first modular solution to provide wireless connectivity with seamless roaming for submarines and surface ships of various ranks. Earlier the ships used only stationary internal communication, which reduced the speed of exchanging important information. MIKS complexes are planned to be adopted in the near future. Permits for export are currently being prepared.

"Coherence of the actions of the crew and the speed of receiving and transmitting information are particularly important on combat vessels. Previously, in order to communicate with the commander, members of the crew had to use a stationary device. The use of our solution will allow any crew member to have the ability to quickly receive and transfer information from any place on the ship. We also see ample opportunities to use our development not only on water but also on land. The multifunctional communications complex is relevant to large industrial enterprises and strategically important sites that require secure mobile internal communications. The modularity of MIKS will allow it to be tailored to the requirements of the customer," said Industrial Director of Rostec **Sergey Abramov**.

On board, the complex provides internal hands-free voice communication, ship telephony, video surveillance, and monitoring of the location and physiological state of the crew, as well as streaming of video content on screens installed in the crew cabins. Outside the ship, MIKS supports telegraph and telephone communication, video conferencing, and data and file sharing.

MIKS consists of related functional subsystems, scalable for different grades and classes of ships, both small cruisers and large aircraft carriers. The complex combines screens, cordless phones with touchscreens, terminals for command broadcasting, and sensors monitoring the physiological state of the crew in a single system. All equipment is designed to withstand rough seas, exposure to seawater and a wide range of temperatures.



# Rostec

**Rostec Corporation** is a Russian corporation that was established in 2007 to facilitate the development, production and export of high-tech industrial products designed for civilian and military applications. The Corporation comprises over 700 organizations that are currently part of eleven holding companies operating in the military-industrial complex and three holding companies working in civilian industry, as well as over 80 directly managed organizations. Rostec's portfolio includes well-known brands such as AVTOVAZ, KAMAZ, Concern Kalashnikov, Russian Helicopters, UralVagonZavod, etc. Rostec companies are located in 60 constituent entities of the Russian Federation and supply products to the markets of more than 100 countries. In 2017 the consolidated revenue of Rostec reached 1 trillion 589 billion rubles, while the consolidated net income and EBITDA amounted to 121 and 305 billion rubles respectively. In 2017 the average salary in the Corporation was 46,800 rubles. According to Rostec's strategy, the main objective of the Corporation is to ensure that Russia has a technological advantage in highly competitive global markets. Rostec's key objectives include the introduction of a new techno-economic paradigm and digitalization of Russian economy.

**Ruselectronics** is a key actor of the radio-electronics market. The company was incorporated in early 2009 at the premises of the state-owned holding company bearing the same that had existed since 1997. A United Instrument Manufacturing Corporation was integrated into the holding company in 2017. The holding company is accountable for more than 50% of electronic components' output in Russia, 8% of total output of the radio-electronic products, and provides more than 10% of jobs in the industry. The holding company is an umbrella for more than 130 enterprise and scientific organizations specializing in the development and manufacturing of radio-electronic components and technologies, communication devices and systems, automated control systems, robotic systems, SHF electronics, computing equipment and telecommunications equipment. Total workforce is above 70 thousand employees. The overall annual revenue of the holding company affiliates is above 150 billion rubles. The holding company's products are supplied to more than 30 countries of the world in Europe, Southeast Asia, Middle East, Africa and Latin America.

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