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ASIA EDITION

Rostec to launch BrainReader Neuro Interface in the International Market

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The Avtomatika Concern will launch onto the international market the BrainReader universal neural interface, which enables the information 'exchange' between the human brain and any external device equipped with the appropriate interaction interfaces (home appliances, computers, exoskeletons, artificial sense organs, wheelchairs). The concern has already started obtaining permits in order to enter Asian markets.

After the device was presented at Medlab AsiaPacific & Asia Health 2019 exhibition, where its capabilities sparked great interest, offers regarding BrainReader distribution were received from Asian companies, in particular from Indonesia and Malaysia. The device is being developed by I.S. Brook Institute of Electronic Control Machines (INEUM).

The neuroheadset can register the surface electroencephalogram in vivo; itimposes no limits on the user's mobility. The data capturing method is non-invasive: specially designed "dry" electrodes do not require the use of electrically conductive gel. The high quality of the recorded signal processing allows the stable operation of the device even in highly crowded places, such as in public transport, where it is surrounded by a large number of transmitters and other sources of interference.

According to a study conducted by Allied Market research, the brain-computer interface market is growing at an accelerated pace and as early as in 2020 it will reach about $1.46 billion.

The Avtomatika Concern specializes in the information security, development and production of technical means and systems of secret communications, protected information and telecommunication systems, as well as special-purpose automated control systems. The company's product line includes encryption devices, information security solutions, secure video conferencing systems, secure automatic telephone exchange facilities, system solutions such as Safe City, Smart City, Internet of Things, equipment for automation of electoral processes, system solutions for security and monitoring the status of infrastructure facilities, satellite equipment, and other products.