ZETRON

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Air, Sea and Land Role for Zetron in Russian Oil Field

November 1, 2012 – Advanced TETRA technology from Zetron is enabling the coordination of safety and operational communications in the remote Exxon Neftegas Chayvo oil field on Sakhalin Island, just off the east coast of Russia.

The oil field's production platform, onshore processing facility and oil terminal are each equipped with Zetron DCS-5020 Digital Consoles linked by E1 circuits. Zetron's advanced digital consoles give operators control over all marine-band UHF, air-band VHF and MTM700 TETRA radios, as well as land-line telephony.

In addition, Zetron Model 390 remote desktop controllers are deployed on the oil field's production platform to give workers and safety staff fully-functional access to the TETRA network without the risk of localised RF energy causing an explosion.

Sakhalin Island lies to the north of the Japanese island of Hokkaido, along the eastern coast of Russia. The island is 948 km long from north to south, and 27-160 km wide from east to west. It is a mountainous environment with a climate of extremes – minus 50oC in the winter with up to five metres of snow and 40 oC with very high humidity in the summer. Oil was discovered there in 1880 and potential recoverable reserves from the north of the island where Chayvo is located are thought to be 307 million tonnes of oil and 485 billion cubic meters of gas.

The supply and build-out of the communications network was carried out by Zetron integration partner SAGA whose engineers used the DCS-5020's customisable displays to create a common desktop that looks and functions exactly the way Exxon Neftegas operators wanted. Through touch-screen virtual buttons, the DCS-5020 allows control of conferencing, patching, memory dialling, alarm monitoring, alpha-searching of a directory, and emergency group calling.

Widely deployed around the world across a range of sectors from public safety and transportation to heavy industry, the Zetron DCS-5020 enables operators to manage up to 30 different radio and telephone channels through a touch-screen display.

The Zetron Model 390 Desktop Remote has the form factor of a conventional desk phone, but gives users access to Motorola MTM5400, 800e, 800, 700 and 300 functionality through a dedicated interface. Up to 15 Zetron Model 390s can be connected by conventional Cat 5 cable to a single TETRA radio located up to 600 metres away, greatly reducing deployment and installation costs, and enabling RF emissions be kept away from people, sensitive equipment and hazardous environments.

Said Mikhail Rybachenkov of SAGA: "These two key pieces of Zetron technology have enabled us to deliver a very capable solution to Exxon Neftegas. Every day, this solution helps ensure the safety and efficiency of operations in this very challenging environment."

About Zetron

Zetron has been designing and manufacturing integrated mission-critical communications systems since 1980. Its offerings include NG9-1-1 call-taking, CAD, mapping, dispatch, voice logging, fire station alerting, and location service systems. They are expandable, interoperable, and able to support geo-diverse operations. What's more, Zetron backs its products with technical support, training, and project-management services known for their skill and responsiveness. With offices in the United States, the United Kingdom, and Australia, and a global network of partners, resellers, and system integrators, Zetron has installed thousands of systems and tens of thousands of console positions worldwide. Zetron is a wholly owned subsidiary of JVCKenwood Corporation. For more information, visit: **www.zetron.com.**

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