

ROSSMA company introduced a digital well to the oilfield workers using LoRaWAN technology.

This system will help simplify the monitoring of well conditions, reduce labor and repair costs.

ROSSMA company introduced the Digital Well project at the Telecom-Polygon: Telecommunication Technologies and Services for the Oil and Gas Industry conference, which took place on the 22nd and 23rd of November in St. Petersburg. The event was organized by the Noyabrskneftegazvyaz company (part of the Gazprom-Neft group of companies).

Production of smart wells using LoRaWAN technology is one of the most promising industry solutions for introducing innovative technologies in the oil and gas industry.

The specialists of ROSSMA company install equipment of their own production, using the LoRaWAN technology, designed to automate the work of the process equipment installed in the wells. Engineers can work with it online, regardless of their location, the time of presence of workers at the facility is minimized. The digital double of the well shows all parameters of the downhole pumping equipment, cleaning devices, and also allows you to control the parameters of pressure, temperature and gas content in the autonomous mode, without the need to build expensive wired communications. The development of ROSSMA provides a reduction in shortfalls due to the constant monitoring of the operation of the well, as well as reduction of labor costs and overhaul costs.

In remote areas without the data transmission infrastructure, ROSSMA, together with telecom operators deploys the LoRaWAN radio communication system, which provides the coverage in a radius of 10 to 40 kilometers and also allows the terminal data collection devices to operate autonomously for several years. Production of the smart well will broaden the cooperation of ROSSMA and telecom operators in the introduction of new and efficient technologies in the oil and gas industry.

About ROSSMA: Limited Liability Company ROSSMA (ROSSMA LLC) has been operating since 2009 and since 2018 has been a member of the LoRa Alliance and the IEEE Association. The main activity of the company is industrial automation and equipment manufacturing, the use of M2M technologies in various industries. The company has its own R & D center, offering customers integrated solutions, including the development of customized software. It has a number of patents and certificates for LPWAN solutions.

Contact person:
Alexey Dier, PR
ad@rossma.ru