

Companies "Rostelecom" "Lukoil" and "Rossmma" introduced the "Smart Well" pilot project for remote monitoring and control of oil and gas equipment using LoRaWAN™ technology.

The LoRaWAN™ equipment was installed on the Aspinskoe oil field in Perm Region in Russia. Now it is possible to obtain data for operating remote control and performance from remote (in terms of communication) production objects. All LoRaWAN™ equipment which was used for digitalization is domestically produced.

The vice president of PAO Rostelecom-director of macroregional branch "Ural" Sergey Gusev specified that the company develops "smart" wells not for the first time. "High-quality integration of our decision into already existing accounting and monitoring systems allows supervision manpower to understand in each timepoint what occurs in the objects, to automate business processes, reactions to emergency situations and to build the forecast at once how the events will affect overall results. It is a big step in automation and control of remote objects process" — the representative of the Russian telecommunication corporation explained.

In turn, the representative of the PAO Lukoil president in Perm Krai, the CEO of OOO LUKOIL-PERM Oleg Tretyakov reported that by means of the innovation the company will increase efficiency and safety of working processes. "We considerably optimize data-generating processes. In year of the 90 anniversary of the Perm oil and the Volga-Ural oil-and-gas province when we speak about oil production history much, we have to write a modern history by means of technologies and science and to make the contribution to the industry development" — Oleg Tretyakov emphasized.

The CEO of PAO Rossmma Denis Trifanov expressed confidence that the project of the "smart" well will help the Russian oil companies to become more competitive. "Digitalization of many branches of economy already becomes a reality, and the oil and gas sector is one of the most advanced in this question. Application of the industrial Internet of things elements will help the Russian companies to become more competitive and effective in the global market" — he concluded.

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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.

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