

The experience of working with Rosneft subsidiaries includes:

1. WellSim stations participated in pilot industrial trials under the "New Technologies Systems" program at Rosneft and Udmurtneft facilities. Eight Russian manufacturers of rod pump control systems took part in this project, with WellSim demonstrating leading performance.

The WellSim® control system met all the stated success criteria, and Rosneft's engineering teams highlighted the following positive features and operational experience:

- Three different control algorithms — sensor-based, sensorless, and well sensors (echo sounder, downhole measurement complex);
- High accuracy of load parameter convergence at the wellhead;
- Quick system response to changes in geological conditions and emerging operational challenges;
- High precision in flow rate calculation.

2. WellSim control stations were installed at facilities of Samaraneftegaz JSC (Rosneft), where for six months an assessment of the intelligent stations with a sensorless control algorithm was conducted.

Achieved results:

- A 25% reduction in specific energy consumption;
- An 18% increase in production (average monthly figure);
- Optimization of operating modes, increased well operation time, transition to continuous operation.

