

Application story



Hydrocarbon Condensate Transfer (1)

Location	Russia	Hydra-Cell model	D35XECTHFEHA
Type of application	Hydrocarbon Condensate Transfer (1)	Flow rate	128 L/min (33.8 gpm)
Liquid	Hydrocarbon Condensate	Pressure	40 bar (580 psi)
Application details	Oil and gas producer Surgutneftegas is one of the largest companies in the Russian oil sector. It accounts for almost 13% of the country's crude output and 25% of gas produced by domestic oil companies. The company was the first in Russia to develop the complete cycle of gas production and processing, gas-based power generation, and output of finished products and petrochemical feedstock. Fifty-nine divisions of the company are involved in the whole range of prospecting and reservoir management operations, construction of facilities and pipelines, environmental safety, and process automation. Surgutneftegas' crucial competitive advantage lies in advanced petroleum production technology successfully applied by its own service subdivisions. Two Hydra-Cell D35 pumps have been installed in a Duty / Standby configuration to transfer gas condensate from a central collection point to a gas turbine generating station and have been running 24x7 since March 2014. Locally manufactured Magdrive centrifugal pumps were initially considered. However, even though these were cheaper to purchase, they then required extra equipment to lubricate the bearings and cool the pump, making the installation much larger and more complex.		
Advantages of Hydra-Cell pump on this application	The design of the Hydra-Cell D35 offers the most compact solution, without the need for additional equipment.		

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