POWERSAVE HIGH-EFFICIENCY ESP SYSTEMS

SAVE 25% OR MORE ON ESP POWER COSTS

NOVOMET

Break the Wasteful Status Quo

Industry-standard electrical submersible pumping (ESP) systems waste 61% of the electricity bought to power the system. Outdated induction motors and sluggish pumps are the main cause with 49% of that power loss going to excess heat and vibration. That means less than half the money paid to power a standard ESP actually results in lifted fluid. That's unacceptable.

Why Waste Electricity if You Don't Have To?

The good news is that it doesn't have to be that way.

Replacing induction motors with permanent magnet motors delivers immediate efficiencies:

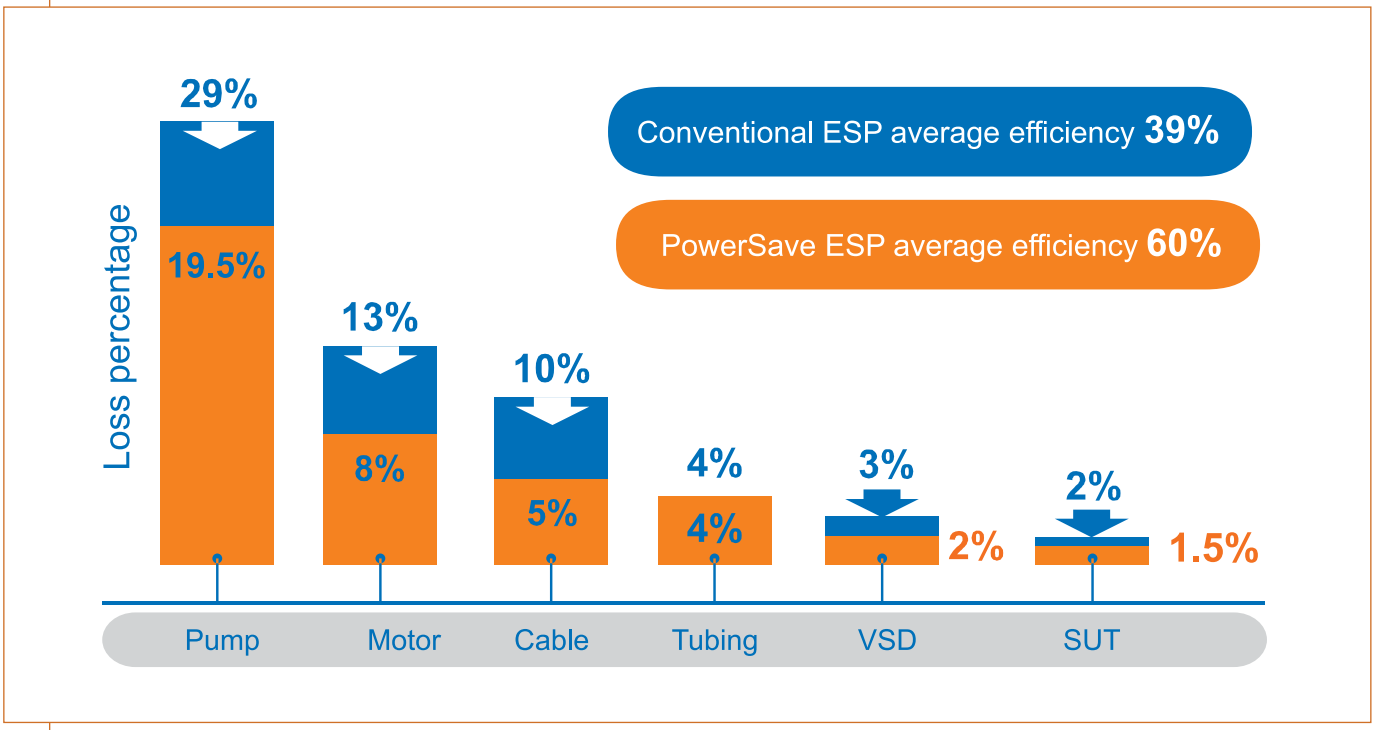
- Reduces electromagnetic waste
- Lowers system heat
- Increases HP/ft (HP/m)

Replacing sluggish, sand-cast pump stages with precision powder-metallurgy-manufactured stages provides even greater advantages:

- Offers high-efficiency stage designs nor possible in traditional sand-cast stages
- Reduces fluid friction and corrosion
- Decreases pump length and weight

Get Immediate OPEX Savings with PowerSave ESP Systems

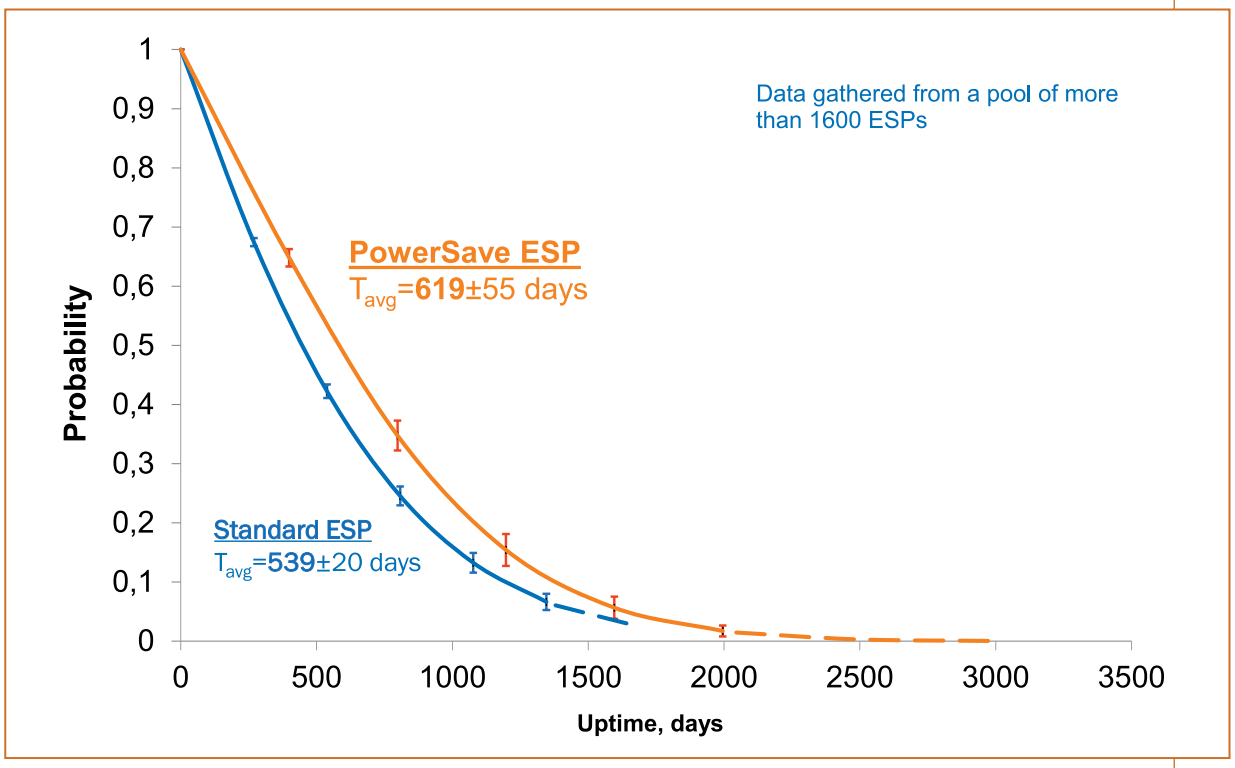
The bottom line? Installing a **PowerSave high-efficiency ESP system** reduces operating expenses by cutting the amount of electricity you need to operate the pump. And the same efficiencies that reduce electricity usage also cut the length of the ESP by 60% and improve runlife in conventional wells.



This graph shows a side-by-side comparison of the gains in efficiency in our PowerSave systems (orange) over our own conventional ESPs (blue).

Increased Efficiency = Greater Reliability

With an increase in efficiency comes greater reliability and runlife. Because less energy is wasted to heat and vibration, there is less wear and tear on components. So the more efficient the ESP, the better and longer it is going to operate.



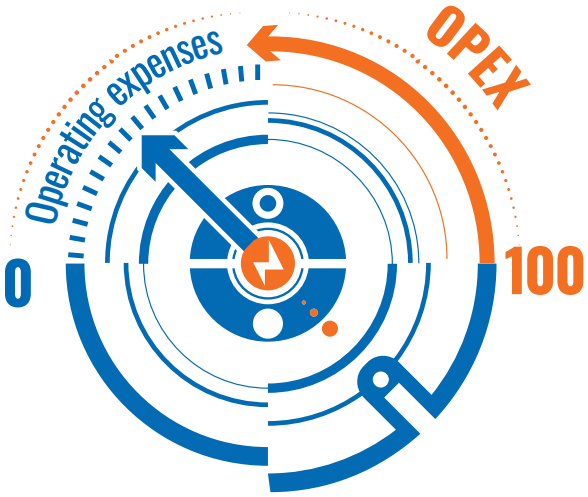
Reliability comparison of PowerSave ESPs and ESPs in Gazpromneft wells

Available Sizes

	Size	Flow Rate	Head	Max RPMs	Efficiency
SlimLine ESPs	2.72 in. 69 mm	151-755 bbl/d 20-100 m³/d	11,483 ft 3500 m	5820	45-57%
	3.19 in. 81 mm	189-2,415 bbl/d 25-320 m³/d	11,483 ft 3500 m	5820	40-70%
PowerSave ESPs	3.62 in. 92 mm	251-3,019 bbl/d 20-400 m³/d	11,483 ft 3500 m	5820	46-66%
	4.06 in. 103 mm	755-3,774 bbl/d 100-500 m³/d	11,483 ft 3500 m	5820	67-71%
	5.35 in. 136 mm	2264-16,982 bbl/d 300-2250 m³/d	9,843 ft 3000 m	4660	67-76%
	6.77 in. 172 mm	12,076-18,869 bbl/d 1600-2500 m³/d	8,202 ft 2500 m	3500	75-76%

More than
12,500
installations

Over
340 million
kWh saved



Beyond cost savings, PowerSave ESP systems are a powerful tool for reducing the carbon footprint of oil production. Over the last two decades, we have saved our customers over 340 million kWh and prevented over 185 million tons of CO2 from entering the atmosphere. While our competitors are still researching how to cut carbon emissions, we're already delivering.

Latest data

kWh of electricity saved with PowerSave and SlimLine ESPs

Tons of CO_2 prevented from entering the atmosphere*

Countries where Novomet is reducing carbon emissions

Visit novometgroup.com/powersave for more information and case studies

NOVOMET

CONTACT US TODAY

To learn more about how PowerSave ESP systems can cut your OPEX and help reduce your carbon footprint, contact us today.

.**https://www.novometgroup.com/contacts/**