Well owners can cut operating expenses (OPEX) while boosting production by installing the new Centrilift HPump™ 1500 hp surface pumping system from Baker Hughes, a GE company (BHGE). This high-horsepower system yields greater flow rates than lower-powered units. It saves you money two ways. If maximum flow is your goal, this powerful pump efficiently delivers electricity savings with the higher production and head pressure needed for many applications.

Or, you can trim initial capital expenditures (CAPEX) by replacing several competing pumps with a smaller number of high-horsepower HPump systems, yet maintain the same production level.

We developed our 1500-horsepower (1119-kW) system to meet demand for higher flow ranges in onshore and offshore oil and gas fields and industrial operations. These include:
- By-product water handling
- Injection
- Disposal
- Flooding (enhanced oil recovery)
- Pipeline transfer
- Pressure boosting
- Municipal water supply

Applications
- Onshore and offshore oil and gas fields, and industrial operations requiring higher flow ranges

Features
- Save time and startup costs with easy-to-install, skid-mount design
- Realize electricity savings with the higher production and head pressure needed for many applications
- Reduce initial CAPEX by replacing several competing pumps while maintaining the same production level
- Overcome a variety of challenges through a wide flow range of 24,000 to 50,000 B/D
Wherever you are around the world, we work hard to discover your needs and respond with the products you want. We know you are seeking to maintain oil production by increasing flow in water flood enhanced recovery, especially in older oil wells.

We know you would like to reduce installation and operation expense by taking wastewater from multiple wells and tie it back to a single disposal well. We know that for many operators water cuts are increasing, creating a greater disposal problem for produced water.

With a flow range of 24,000 to 50,000 B/D (3,816 to 7,949 m³/d) our 1500-hp HPump system is the cost-effective solution to these problems.

Increase efficiency
Our units cost you less to operate because they are more efficient. BHGE 1500-horsepower HPump systems have proven pump efficiencies greater than 80%. Compared with competing pumps, we have saved customers more than $120,000 USD in OPEX during the first year’s operation alone.

Extend run life, cut maintenance cost
We build the 1500-hp HPump system to handle tough environmental situations and even harsher fluid conditions. Our design goals: extend the system’s run life, lower your maintenance cost, and extend the unit’s application range.

Intake and discharge flange ratings were expanded to handle higher flow rates. We combat corrosion and resist heat breakdown with nickel aluminum bronze (NiAlBr) pump stages and tungsten carbide bearings. These hardy pumping systems withstand the stresses of frequent stops and startups. They easily endure changing field conditions, a capability that can be enhanced when the system is equipped with a Centrilift Electrospeed™ 3 variable speed drive (VSD).

Reduce NPT
Whether you are ordering a standard system or need a customized design, BHGE can reduce nonproductive time with quick delivery of your HPump system. Available system options include:
- 682 API cartridge seal
- Spacer and API-610 compliant couplings
- On-skid wiring/turn-key systems
- Building design and assembly

The 1500-hp system is just one of several models in our HPump product line. We offer power ratings from 25 hp to 2,500 hp (19 kW to 1865 kW) with flow rates from 800 B/D to 55,000 B/D (127 m³/d to 8744 m³/d). Whether you are pumping water, brine, CO₂, crude oil, hydrocarbons, or amines, call BHGE to discuss the solution to your surface pumping problems.

HPump 1500 hp system installed in an injection well application. These models are nearly emission free, so they are ideal in locations where HSE regulations are a challenge.

bhge.com

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