From managing oilfields to handling water

For more than 80 years, oil and gas companies around the world have been trusting Schlumberger to help optimize their operations. We combine expert engineering with innovative technology to meet project needs in even the harshest oilfield environments.

Our field-proven history and unparalleled experience give us the means to extend our pumping technology beyond the oilfield. Schlumberger has the industry-leading technologies, solutions, and support necessary for a wide range of water-based applications, including mine dewatering, geothermal installations, and industrial systems.

We provide our customers with reliable pumping systems specially designed to comply with specific environments. Temperature requirements, level of abrasiveness, multiphase fluid flow—all of these varying factors are carefully considered, and once systems are in place, they are maintained with real-time and surface control services to ensure optimal operations.

The Schlumberger Team

115,000 people
140 nationalities
85 countries
65 research and engineering facilities
Mine Dewatering Solutions

Operation of large-scale dewatering systems is familiar territory for Schlumberger. We have designed, implemented, and operated dewatering systems for mines throughout the world. Selecting the proper dewatering infrastructure, such as pumps and controls, is an essential part of the dewatering process. Our dewatering pump systems, customized to successfully handle high flow rates, maintain ongoing operations for prime mineral exploitation. The water produced is often used for other mining activities, including treatment of minerals and irrigation of roads.

REDA HPS G3 Horizontal Multistage Surface Pumps
Our third-generation pump, used in a wealth of versatile applications across the globe, is designed using ARZ abrasion-resistant zirconium for high wear-resistant bearings. With corrosion-tolerating material and flow capabilities ranging from 2.5 L/s to 117 L/s [40 galUS/min to 1,850 galUS/min], the REDA HPS G3 pump is ideal for mine dewatering. The powerful pumps work at up to 2,500 hp [1,864 kW] in a single unit and are capable of boosting pressures in excess of 6,650 psi [45,951 kPa]. Its modular housing of assembly pumps and flexible plug and play design allows simple and quick reconfiguration of pumps and motors, significantly minimizing downtime.

LiftWatcher Real-Time Surveillance Service
With real-time monitoring and control, you get continuous, accurate surveillance of key downhole parameters. Being able to identify changes in productivity reduces system failure—many times avoiding issues before they arise. This expert system substantially increases production, recovery, and system run life.

High-Efficiency ESP Systems
REDA ESP systems combine the motor, protector, and downhole sensor in one comprehensive, multifunctional, and reliable unit. The capacity of these pumps ranges from 0.2 L/s to 176 L/s [3 galUS/min to 2,770 galUS] in production rate and from 3.380 in [85.9 mm] to 13.625 in [346.1 mm] in outside diameter.

Variable Speed Drives (VSDs)
Variable speed drives give you the flexibility to adapt your frequency in accordance to your operating conditions. Having this great control can increase ESP system run life up to 50%, in comparison with other nonfiltered VSDs, and even attract carbon and efficiency credits for its users.

The Schlumberger Difference
- Widest range of electrical submersible pumps (ESPs) in the industry
- More than 70 years of dependable surface pumping operations worldwide
- Three generations of evolved horizontal pumping system (HPS) design

Learn more at www.slb.com/dewateringpumps
Geothermal heat is one of the world’s most promising and cost-effective sources of renewable energy. It is currently used to produce electricity in 24 countries and for heating in more than 72 countries. Choosing the proper tools for your geothermal project is integral in ensuring effective production and a long system run life.

Schlumberger provides compatible, high-temperature, electric submersible pumps to lift enhanced geothermal (EGS) wells, to increase fluid pressure, or to move fluids from one place to another once on the surface. Designed to withstand the heat and pressure of geothermal operations, these pumps can produce heated water and serve as power generation for thousands of households in a given area.

Geothermal Solutions

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The Schlumberger Difference
- World leader in electrical submersible pumps (ESPs) for more than 80 years
- ESP record system life of more than 4.5 years and running in a high-temperature environment

Learn more at www.slb.com/geothermalpumps
Converting raw materials to finished products involves a multitude of streamlined operations—one critical element being the management of fluid flow. Schlumberger provides refining, petrochemical, and chemical processing industries with high-performance pumping units fit for high-pressure applications.

With powerful pumping systems, flexible surface control, and fully integrated monitoring services, our comprehensive solutions are optimal for disposal, booster service, ballast transfer, water floods, direct injection, cavern storage, fire protection, irrigation, and municipal and commercial water systems.

Industrial and Water Facilities

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Variable Speed Drives (VSDs)
Variable speed drives give you the flexibility to adapt your frequency in accordance to your operating conditions. Our SpeedStar series feature indoor or outdoor, NEMA-certified, low- and medium-voltage drives suitable for various power requirements. Having this great control can increase ESP system run life up to 50%, in comparison with other nonfiltered VSDs.

REDA Maximus ESP Systems
The highly reliable system features an innovative plug-and-play design fitting for industrial water applications. Exclusive Schlumberger technologies optimize operations for faster and simpler production. Max-Joint flange technology ensures pressure-tight seals, preventing trapped air, contamination, and fluid leakage. An optional gauge-ready base makes Maximus motors fully compatible with Phoenix downhole sensors for real-time monitoring and extra reliability.

REDA HPS G3 Horizontal Multistage Surface Pumps
Our third-generation pump, used in a wealth of versatile applications across the globe, is made using ARZ abrasion-resistant zirconium for high-wear-resistant bearings. The powerful pumps work at 2,500 hp in a single unit with intake pressures up to 4,000 psi [27,579 kPA]. Its modular assembly allows simple and quick reconfiguration of pumps and motors, significantly minimizing downtime.

Learn more at www.slb.com/industrialpumps

The Schlumberger Difference
- Widest range of electrical submersible pumps (ESPs) in the industry
- World leader in electrical submersible pumps (ESPs) for more than 80 years
- Special metallurgies for protection against corrosive environments
Schlumberger Artificial Lift

82 years of pumping experience
26 assembly, repair, and testing centers
5 technology centers
2 manufacturing centers

Schlumberger offers industry-leading pumping systems for any application, well, or environment. In addition to our wide range of pumps, we offer state-of-the-art equipment for surface electrical control and protection, engineering services, and real-time monitoring solutions to optimize operations around the world.