



Always *producing*

**International specialist in
ESP systems and solutions**



ALWAYS FOCUSED

YOUR ESP IS OUR FOCUS



Within artificial lift Alkhorayef is the international specialist for ESP systems and solutions. With a dedication to reducing deferment and downtime, **we're here to keep every well productive.**

QUALITY

Alkhorayef maintains tight control across our engineering and manufacturing operations to assure the highest standards.

CONSISTENCY

Expect the same high levels of service from every member of the Alkhorayef team, and for the life of your ESP system.

As exceptional ESP performance relies on attention to detail and precision manufacturing at Alkhorayef we design and build our own systems. Built to international quality standards, components are assembled at our manufacturing facilities where they also undergo rigorous quality control and assurance procedures.

RELIABILITY

Our technologies and our people are trusted to perform in any oilfield setting.

We are internationally accredited in key areas including quality, health & safety and environmental management. Across the globe, customers are reassured that all Alkhorayef equipment is tested to recognized industry technical standards.

**Right Place, Right Time,
Right Price – Right Pump**

ALWAYS RESPONSIVE

SERVICE SETS US APART

Everything we do is geared towards getting wells online, and keeping them productive for as long as possible. Alkhorayef people and technology are key to making this happen.

LOCALLY FOCUSED

Wherever you operate, getting the most from your ESP relies on having consistent access to knowledgeable personnel and regional specialists. Our network of ESP service centers are located close to producing fields, and staffed by technicians recruited from the surrounding area.

WE RESPOND TO REQUESTS FASTER

Whether online, over the phone or in person we make getting back to customers our number one priority.

WE BRING WELLS BACK ONLINE EARLIER

Alkhorayef teams work together to kickstart production and get wells generating revenues.

WE SOLVE TECHNICAL CHALLENGES SOONER

Our specialists have the skills and resources at hand to solve even the toughest lifting problems on your timescale.

ENGAGING LOCAL COMMUNITIES

Alkhorayef programs train and employ local people in the places where we work and live.

00:00



08:00



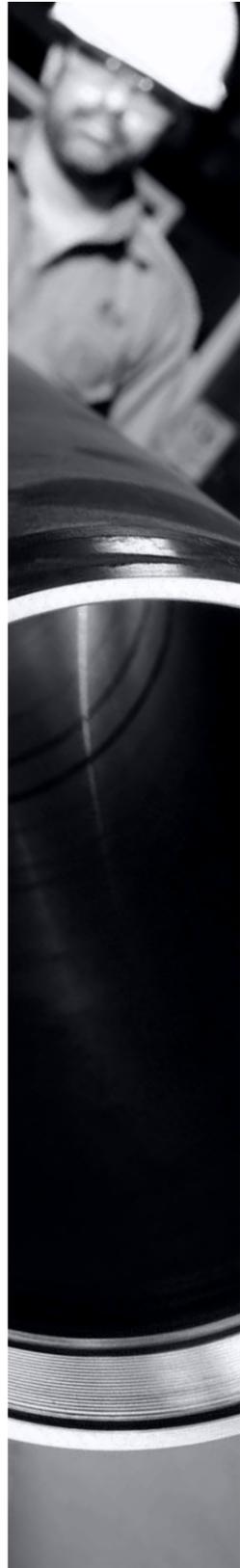
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16:00



22:00



ALWAYS AVAILABLE

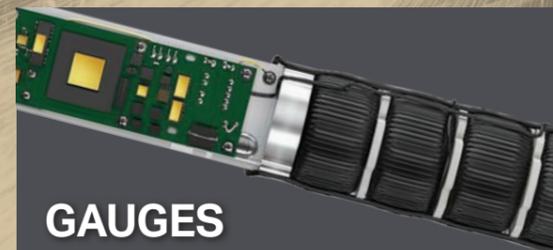
FULLY EQUIPPED

SPECTRUM

High-performance ESP systems

The depth of our portfolio meets any – and every – ESP requirement. We offer the full set of casing sizes, and accommodate the broadest range of flow rates and equipment dimensions.

Fit-for-purpose SPECTRUM systems maximize and maintain production from a variety of well and reservoir conditions, efficiently and reliably.



GAUGES

Respond to dynamic well conditions and fine-tune your ESP to ensure the pump operates at the best efficiency to maximum ESP run life and recovery from the reservoir. Our downhole monitoring systems provide fast, reliable data on reservoir and pump performance.



PUMPS

Our multi-stage centrifugal pumps are available in either radial or mixed flow configuration. Proven to lift oil, water or brine while minimizing downtime, they include enhancement options for corrosive, abrasive and high load applications.



POWER SYSTEMS

Modulate pump speed to extend the operating range of your ESP, and adapt to changing requirements. Our VSD systems also safeguard downhole equipment by providing electrical and mechanical soft-start features, electrical isolation and cleaner power output.



CABLES

Our high reliability ESP power cables are available in both circular and flat designs in a range of sizes. The engineering team can also advise you on the best cable configuration for your application, including HPHT and extended reach wells.



PROTECTORS

Patented ProSeal technology is engineered to maximize system run life; sealing against ultra-light well fluids and in extreme deviations. Additional performance-enhancing options handle high horsepower, high head applications, and corrosive settings.



MOTORS

Our three-phase AC, two-pole, squirrel cage, induction motors are all individually hand-wound, and feature superior insulation, lubrication and heat dissipation as standard. They are available in a range of diameters with multiple horsepower, voltage and current nameplate options and rated up to 325°F (163°C).



GAS MITIGATION

Deliver long periods of stable production by expelling free gas to the annulus, or pressurizing and homogenizing multiphase fluids before reaching the ESP. Our vortex separators and process units are engineered to perform effectively in abrasive and corrosive conditions.

ALWAYS ENDURING

TECHNICALLY PROVEN

 **SPECTRUM** *Advance*

ESP solutions engineered for demanding requirements

Every day these tailor-made ESP solutions are at work in the toughest production environments on the planet, including sour gas, deep, ultra-slim wells and high viscosity hydrocarbons. Expertly configured for harsh conditions, SPECTRUM ADVANCE solutions overcome these challenges to **extract the greatest value throughout each well's life.**

SPECTRUM ADVANCE ENGINEERING SERVICES

Through our SPECTRUM ADVANCE tailored engineering services, Alkhorayef responds to clients' unique application requirements, developing innovative engineered solutions that address more advanced challenges.

TOUGH DOWNHOLE CONDITIONS

Safeguard productivity where sour gas or water would attack conventional metals.

COMPLEX RESERVES

Lift challenging fluids including heavy oil and high-flow-rate gas.

PHYSICAL WELL CONSTRAINTS

Install and operate where space is limited and along extended reach wells.

BUSINESS CHALLENGES

Improve well economics, increase recovery rates and report on compliance.

ALKHORAYEF IN ACTION

An operator in Colombia wanted to reactivate a gassy, depleted well in a field, yet conventional artificial lift methods were unsuitable due to a high gas/liquid ratio. Alkhorayef designed a shrouded ESP with two stages of gas separation that simultaneously increased gas and oil production.

Alkhorayef's creative application design has brought a previously uneconomic well back into production, with the added bonus of using the produced gas for power generation.

ALWAYS DEVELOPING

BUILT ON STRONG FOUNDATIONS

Alkhorayef systems have lifted oil and gas for more than four decades. Today we have an installed base of over 6,000 ESPs, and are proud to serve the world's most successful E&P companies.

FOUNDED ON SHARED PRINCIPLES

Our people are connected by the founding principles of the Alkhorayef family.

SUCCESS THROUGH PARTNERSHIP

We develop long-term, win-win agreements with all stakeholders – clients, business partners, staff and the communities in which we work.

SECURING THE FUTURE

While our continued financial strength is built on solid foundations, together we are creating a compliant and sustainable business fit for the 21st century and beyond.

Alkhorayef invests 4.5% of revenues in R&E, and is committed to continuous improvement to stay at the leading edge. We conduct research at our dedicated centers in Poland, Shanghai and in Saudi Arabia; also the location of our test lab. With multiple patents held, we are actively working with engineering teams from Europe, Asia and the United States to develop the next generation of ESP solutions that will meet the future needs of the industry.

ALKHORAYEF IN ACTION

A remotely-located onshore field in Sudan suffered from a lack of access and erratic power supplies, requiring a robust, dependable ESP design.

The record-breaking 9.5 year run life provided by Alkhorayef equipment increased production, saved workover costs and gained the customer over USD 2 million in additional revenue at USD 50 per barrel.



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