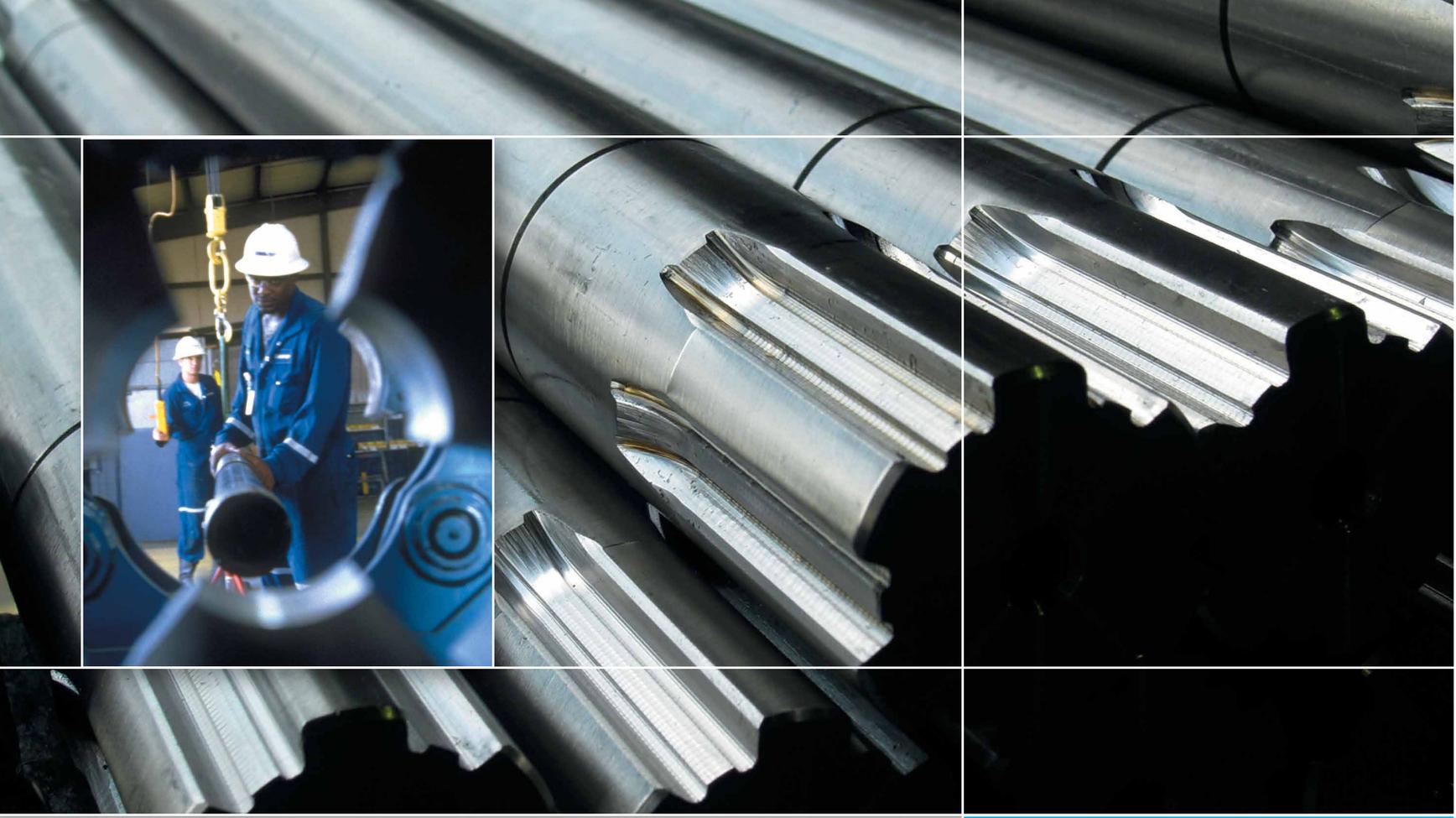


Schlumberger



REDA Hotline

High-Temperature ESP Systems



High-Temperature ESP Systems

800 Installations and Counting

Schlumberger market-leading REDA* Hotline* high-temperature electric submersible pump (ESP) systems are based on field-proven, high-performance REDA technology, the recognized world leader in ESP systems for 80 years. With more than 800 high-temperature units installed in more than 260 active wells worldwide and a record run life exceeding 4.5 years, these systems have become the lift method of choice in heavy-oil and gassy wells and other extreme-heat environments.

Rugged, reliable ESPs

REDA Hotline systems are specifically engineered for oil thermal recovery applications,

including steam-assisted gravity drainage (SAGD), steamflooding, cyclic steam injection (huff and puff), and other high-temperature, gassy, and hot-running applications. They are designed to tolerate wide swings in temperature and to operate in corrosive environments and wells with unstable flow rates.

Through years of use, these highly reliable systems have been shown to

- have faster installation times
- result in fewer human errors at the wellsite
- extend system run life
- minimize maintenance costs
- increase production and recovery.

Hotline portfolio

Schlumberger Artificial Lift now offers two high-temperature ESP systems to suit a range of environments and applications.

REDA Hotline High-Temperature ESP System Portfolio

Model	Bottomhole/fluid	Motor insulation
REDA HotlineSA3*	250 degC [482 degF]	300 degC [572 degF]
REDA Hotline550*	218 degC [425 degF]	288 degC [550 degF]

REDA HotlineSA3 System

The new REDA HotlineSA3 HT ESP system—our third-generation Hotline system—has been reengineered for higher temperatures, longer run life, and increased reliability. Its integrated design incorporates the knowledge and experience gained from the earlier Hotline systems.

Higher temperatures—improved production and recovery

- Bottomhole/fluid: 250 degC [482 degF]
- Internal motor: 300 degC [572 degF]

New design—faster installation and higher reliability

- Single prefilled, sealed motor
- Redundant seals
- Plug-in pothead
- Thermally compensated compression pumps and gas-handling devices

Integrated monitoring—better control and efficiency

- Motor internal temperature transducer
- Fluid pressure and temperature gauges

REDA Hotline Systems

Through our outstanding track record with REDA high-temperature ESP systems and our commitment to research and development, Schlumberger offers increasingly reliable ESP systems that allow operators to lower flowing bottomhole pressures and reduce steam/oil ratio, thereby increasing production and decreasing operating costs.



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