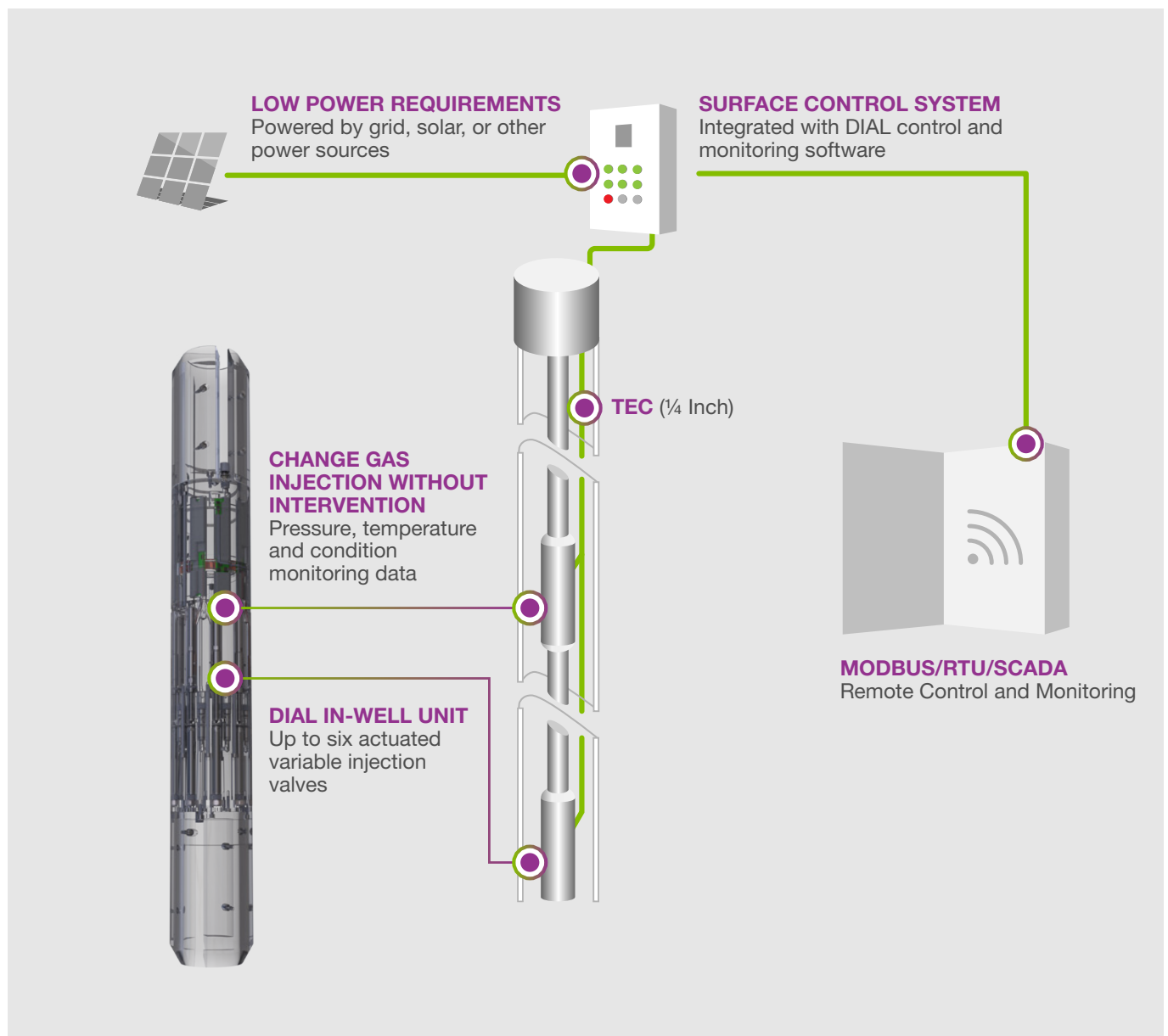


DIAL Datasheet

DIAL System Products

DIAL is a production optimization system integrating in-well monitoring and control of gas lift well performance, with surface analytics and automation, to continually optimize gas lifted fields remotely and without intervention.



About

The DIAL system brings data and control integration to gas lift production management. A Surface Control System (SCS) allows local or remote monitoring of in-well production parameters of pressure, temperature, and injection rate. The SCS also controls in-well DIAL gas injection units to vary gas injection depth and rate without intervention to maintain optimized production.

DIAL units are the in-well component of the system and each one features up to 6 independent injection orifices with a different port size, offering a wide range of possible injection rates. The injection orifices can be individually opened and closed from the surface without requiring a drop in casing pressure, offering deeper injection and increased production. DIAL units are connected to surface via a tubing encased conductor line that provides power and communications.

When combined with Silverwell's Digital Integration Unit (DIU) and associated DIAL-It-In software suite gas lifted well production optimization can be fully automated. Aligning with the widening adoption of digital oilfield production management strategies DIAL systems several processes such as well unloading, production optimization, gas usage optimization, and troubleshooting can be automated under the supervision of the operator.

Dial System In-well Components

DIAL Gas Lift Units	Monitor tubing and annulus production parameters and enable adjustment of lift gas injection and rate from surface.
DIAL Sensing Units	Monitor production parameters to enable automation of gas lift well unloading and production optimization.
Tubing Encased Control Line	Provides communications and power for monitoring and actuation of DIAL units.
TEC Protectors	Industry standard clamps to protect TEC during installation and production operations.

Dial System Surface Components

DIAL Surface Control System	Enables well-site and remote monitoring and control of DIAL system, and integration to SCADA.
DIAL Digital Integration Unit	Hardware platform for DIAL-It-In optimization software and enables integration into legacy DCS.
Wellhead Outlet	Well integrity barrier porting TEC to atmosphere through wellhead.
Surface Cable	Connects TEC at wellhead outlet to SCS surface control system.

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ARTIFICIAL LIFT INTELLIGENCE

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