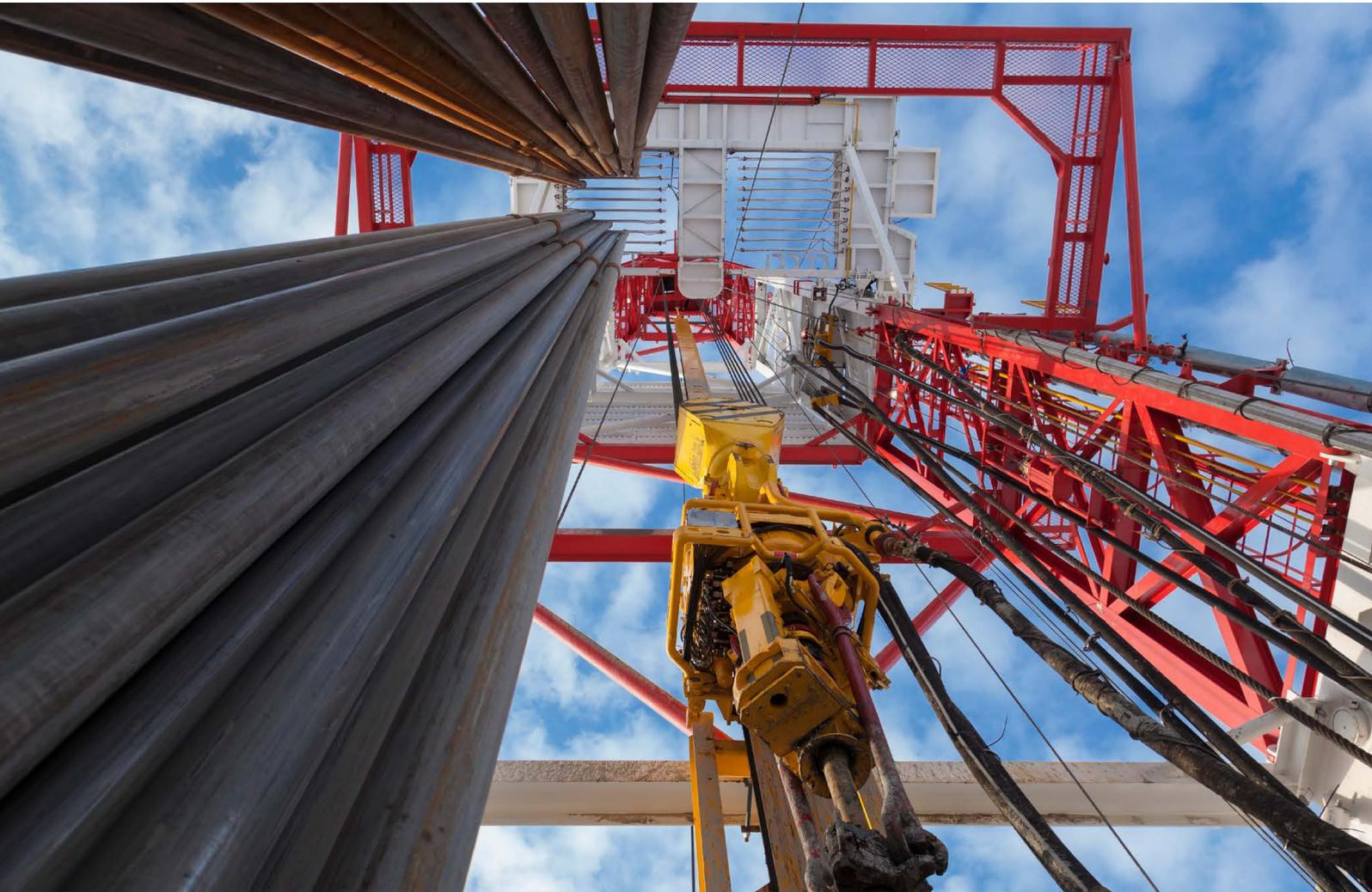


SubPUMP®

Design and Analysis
Software



Electric Submersible Pump's (ESPs) are a costly investment for oil and gas operators. SubPUMP was created to help operators design and select the ideal ESP for their wells.

Whether your goal is to design a new ESP installation or assess an existing one, SubPUMP equips you with the necessary tools to enhance production and cut expenses. SubPUMP is a comprehensive ESP design and analysis software solution, enabling you to generate and compare different ESP realizations, ensuring you get the utmost efficiency for each well in your operations.

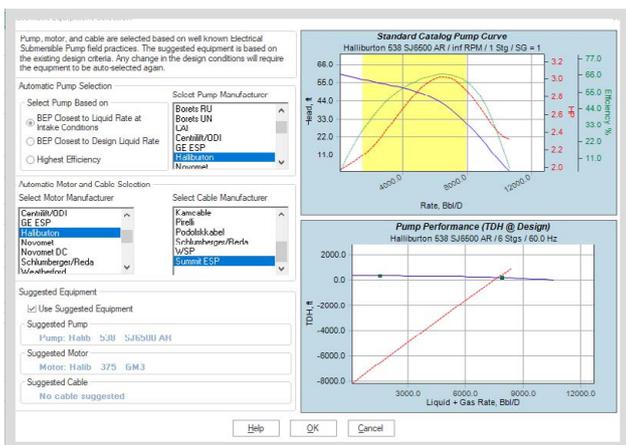
Investing in ESP equipment for a single well can vary in cost, spanning from \$100,000 to \$1 million. The key to achieving optimal well performance lies in the precise design specifications and the reliability of the equipment. SubPUMP was created to empower you in making well-informed decisions and choosing the most suitable ESP design for your unique operational needs.

What is SubPUMP?

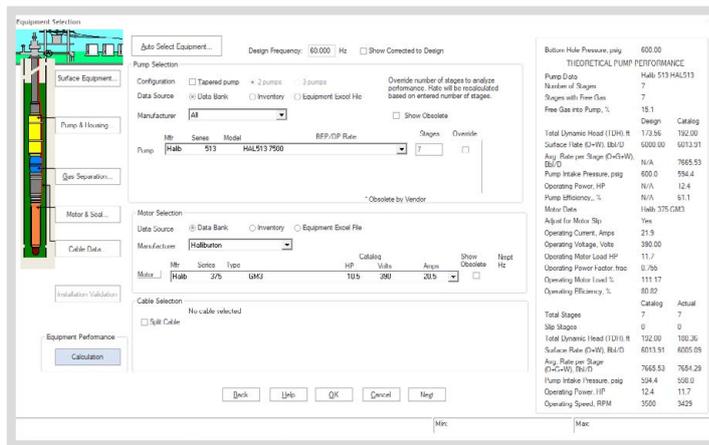
SubPUMP is the only comprehensive ESP design and analysis software tool offered by an independent source.

With no vested interest in equipment sales, SubPUMP sources ESP equipment data from every leading manufacturer worldwide. As a result, you get unbiased designs truly customized to your specific needs.

Additionally, SubPUMP is widely used by most ESP pump/motor manufacturers to verify and service ESP wells.



Automatic equipment selection.



Equipment selection that interfaces with a database of more than 3500 items.

SubPUMP Capabilities

SubPUMP's unique capabilities help engineers easily access information, conduct thorough analyses, and make well-informed decisions.

- Design an ESP system.
- Perform side-by-side comparisons of various ESP components from different vendors.
- Conduct a combined ESP and gas lift design.
- Diagnose ESP problems.
- Compare actual vs. modeled parameters.
- Evaluate performance of gas separation/gas handlers using test efficiency data.
- Select and compare equipment from a database of 3,500+ pieces of equipment from 10 different leading ESP manufacturers worldwide.
- Assess cutting-edge equipment technology, such as gas handlers and PMM motors.
- Get periodic equipment updates for pumps, motors, variable speed drives, switchboards, etc.
- Verify your service company's ESP design recommendations.
- Utilize Dogleg Severity Calculation for deviated wellbores.

Benefit of using SubPUMP

Users will discover that SubPUMP is the easiest tool on the market and provides up-to-date, neutral, and unbiased information to design and analyze your ESP system.

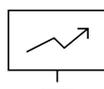
What you get with S&P Global Commodity Insights

- Competitive pricing.
- Flexible licensing including perpetual licenses, annual leases, or network/standalone licenses.
- Worldwide support based upon contract terms.
- Customized training options.

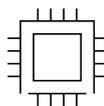
Go beyond ESP design with SubPUMP



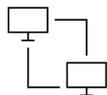
Keep well models up to date by adjusting equipment design, and enhancing well reliability.



Compare different vendors' equipment from around the world.



Leverage our regularly updated ESP technology databank, including new technologies, with every new release.



Import third Party ESP equipment data using Excel format: SubPUMP allows engineers to import ESP equipment performance data from any vendor via our data link.

Our support engineers are globally positioned to help you get started using SubPUMP. To request your free trial, contact sales at spglobal.com/subpump.

About S&P Global Commodity Insights

At S&P Global Commodity Insights, our complete view of global energy and commodity markets enables our customers to make decisions with conviction and create long-term, sustainable value.

We're a trusted connector that brings together thought leaders, market participants, governments, and regulators, and we create solutions that lead to progress. Vital to navigating commodity markets, our coverage includes oil and gas, power, chemicals, metals, agriculture, shipping, and energy transition. Platt's® products and services, including the most significant benchmark price assessments in the physical commodity markets, are offered through S&P Global Commodity Insights.

S&P Global Commodity Insights is a division of S&P Global (NYSE: SPGI). S&P Global is the world's foremost provider of credit ratings, benchmarks, analytics, and workflow solutions in the global capital, commodity, and automotive markets. With every one of our offerings, we help many of the world's leading organizations navigate the economic landscape so they can plan for tomorrow, today. For more information visit spglobal.com/commodityinsights.

OFFICE LOCATIONS

spglobal.com/offices

CALL US

Asia-Pacific

+65-6530-6430

EMEA

+44(0)20-7176-6111

North America

+1-800-752-8878

Please contact your S&P Global sales representative or ci.support@spglobal.com

Copyright © 2023 by S&P Global Inc. All rights reserved.

spglobal.com/commodityinsights