

PumpSite – software for ESP design

> 9000 designs

Russia, USA, Canada, Saudi Arabia, UAE, Turkey, Egypt, Belarus, Iraq, India, Indonesia, Malaysia, Vietnam, Taiwan, Argentina, Columbia, Ecuador, Venezuela, Brunei



FEATURES



ESP design for

- Oil and geothermal wells
- Continuous and cyclic operating modes
- Wells with high GOR
- Tapered systems
- Cable-deployed systems (Colibri ESP)
- Operation above or below the upper perforations
- Integration of cable line parameters

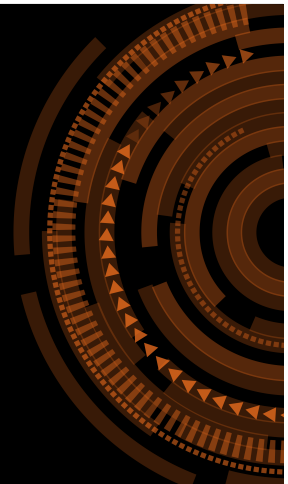


Products

Refer to any Novomet product and its performance parameters



ESP calculator



ADVANCED ANALYSIS



Sensitivity test

Evaluating system performance under varying reservoir conditions and simulating design alternatives



Correlations

Gas-liquid flow in tubing: Aziz-Govier, Dukler, Duns-Ros, Hagedorn-Brown, Orkiszewski; over 50 PVT-correlations



Gas content in well

Simulating not only high GOR but also the consequent reduction in fluid inflow into the well



Gas-liquid mixture parameters

Calculating the parameters of a gas-liquid mixture both in tubing and annulus: pressure, temperature, single-phase density and viscosity, volumetric flow rate, gas content, etc



ESP operation in well

Plotting ESP parameters at key points along the well: pressure, flow rate, density, viscosity, gas content



3D-model

Three-dimensional visual representation of a well considering dog leg severity



ESP sizing

Calculating the available clearance space between ESP units and the casing at the setting depth



Bending moments

Displaying the permissible bending moments based on the ESP series and length, casing OD, along with bending limits during RIH/POOH and operation

BENEFITS



Cloud solutions

Access from anywhere



Self-hosted version available



Company's common information space



Regular updates



Online user support



Consulting on design

Explaining in-well processes and equipment operation



Several languages

Russian, English, Spanish, option to add another language



Metric system and imperial measurement system

Option to add your own measurement system

