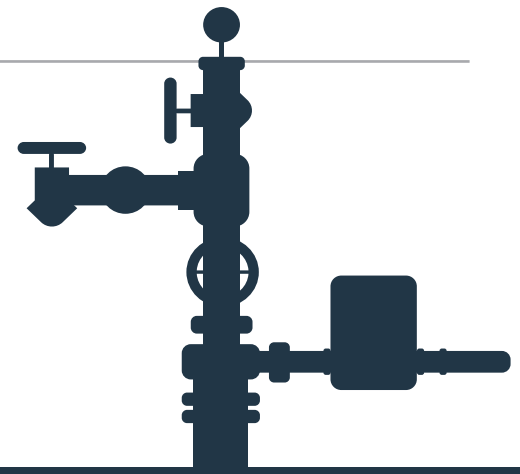# *Increase production and runtimes on ESP wells*

CHALLENGE

Unpredictable ESPs

An E&P Operator with conventional onshore and offshore ESP wells struggled with inconsistent and unpredictable well performance, short equipment runtimes, and substantial unplanned downtime resulting from unexpected equipment failures. The Operations and Engineering teams sought a software solution that would improve optimization of their wells and provide prediction of failures.

SOLUTION

Ambyint OptumESP™

The Operator deployed the OptumESP optimization and failure prediction solution, powered by nybl, an Ambyint application partner. The solution combines advanced physics and subject matter expertise with artificial intelligence to automate ESP surveillance, analysis, and optimization workflows and accurately predicts imminent failures. The intended outcomes are increased production, reduced costs and GHG emissions, and improved equipment runtimes and workforce efficiency.

RESULTS

5%↑ Production

30%↑ Well Uptime

20%↑ Equipment Life-Span

By implementing these technology and process improvements, the operator realized a 5% increase in production, a 30% increase in well uptime, and a 20% improvement in overall equipment life-span. Additionally, the operator was able to foresee imminent failures, averting substantial well downtime.