Performance Optimization for Oil Extraction

Gas-Lift Optimization Solutions
INTECH’s Gas Lift Optimization Solutions are designed to find the best way to allocate injection gas, enabling you to meet your production targets in the most efficient ways possible. Thriving in scenarios where limited amount of injection gas is available, it gathers real time information from existing SCADA and well test records database to optimally allocate injection gas among a number of production wells by constructing a mathematical model of each well and the facilities to estimate the effect of running the wells at different combination of injection gas rates. The Optimization submodule finds the most optimal injection gas distribution scenario to maximize oil production.

Not only does it maximize oil production, INTECH’s Gas Lift Optimization Solution also helps to reduce overall strain on the facility, enhance valves/instruments life and enhance overall production network efficiency, thereby minimizing overall cost of production.
BENEFITS DELIVERED

Accurate Analysis via Real Time Data
INTECH’s GLOS ensures optimal injection gas allocation among a number of wells via mathematical modelling of each well based on real time information from SCADA and existing well test records.

Managing Wells by Exception
Along with presenting the big picture, INTECH’s GLOS empowers you to manage wells by exception which accelerates the process of identifying sub optimally performing wells and enables you to stay a step ahead in taking corrective action.

Optimal Strategy for Distribution Network
INTECH’s GLOS helps shorten your optimization cycle by providing a continuous and up-to-date monitoring and tracking mechanism. This allows you to devise the optimal strategy for your distribution network and stay in full control of your facility.

Enhance Asset Life
Optimally allocated injection gas helps reduce unnecessary strain on your facility and maximize performance, this in turn enhances the life of production assets significantly.

Improved Operations Efficiency
The value from INTECH’s GLOS is data-within-context which gives you the power to converge all engineering and management focus towards resolving issues rather than gathering data. The improved workflow and data consolidation allows for faster and more informed decision making.

Maximize Production, Minimize Costs
Our solutions are developed in collaboration with industry experts and have field-proven performance records. With INTECH’s GLO in place, watch your production and efficiency numbers rise while saying goodbye to unnecessary costs and downtimes.

OPTIMIZATION TECHNOLOGY ARCHITECTURE

[Diagram of the optimization technology architecture showing communication layer, real time simulation technology layer (RTST), and local control UI layer with various components such as Wellhead/Welltest Data, Gas Lift Optimization, Virtual Well Test Processing and Diagnostics, OPC SERVER, OPC CLIENT, Well Test, Separator Unit, Compressor Gas/Gas Lift, Local Data Storage, and Web Analytics.]
I would like to commend INTECH’s on-site team for going beyond individual primary responsibilities, exhibiting a diverse skill set to progress towards project completion."

I would personally like to thank you for your vendor support based on my experiences over the last 12 to 18 months you are well ahead of the industry curve on this aspect. We will be sure to let others in the industry know.

“After successful commissioning I would express my satisfaction at duly meeting the project schedule. The work was done in most professional manner and we shall favourably consider your company for future work.”

Vendor Expertise

Standards & Certifications

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