



Linde

Deployment Snapshot: IN2ERT™ for Purge of Three-phase Separator

Challenge

- Clean large separator drum with complex internals containing asphaltene sludge before inspection and repairs
- Overcome extended purge time and continued off-gassing of sand and sediments at the bottom of the tank
- Increase efficiency of prior attempts (involving large volumes of water and extended purge windows)

Project

Keep customer on schedule during a busy turnaround

Execution

Purge the drum with IN2ERT

Results

Improved performance with IN2ERT:

- > 90% acceleration in decontamination time
- Significant water savings
- LEL suppressed to zero even after 7 days
- H₂S at 0 ppm after 3.5 hours
- O₂ < 2% target after 3.5 hours

In the Customer's words

“Our experience with Linde’s IN2ERT™ chemical service was extremely positive. Unlike previous attempts, where we required large volumes of water and extended purge windows, we accelerated the decontamination time by 90%, saved a lot of water and had LEL levels of zero even after seven days. We plan on using Linde’s IN2ERT technology on multiple hard-to-purge vessels in the future.”

Process Engineer, Sales Oil Unit, Crude Oil Refining of Heavy Oil Plant, Christina Lake, Alberta, Canada