



Deployment Snapshot: IN2ERT™ to Purge Heavy Oil Bitumen Tanks

Challenge

- Long and unpredictable purge times
- Difficult to achieve LEL below 10%
- Short operating window
- High safety risk to operators performing maintenance operations post-decontamination

Project

Purge three skim tanks with a 3- to 4-foot heel of sludge and sand, resulting in significant off-gassing within the vapor space of the tank; continuous off-gassing from tank remnants results in long and unpredictable purge times

Execution

Insert N₂ mist to purge the challenging tanks

Results

Improved performance with IN2ERT:

- First tank rendered safe in under 10 hours
- Remaining two tanks purged in under 5 hours with faster flow rate
- Total time savings of 90%
- Project completed under budget

In the Customer's words

“After an unsuccessful purge attempt in 2018, we brought Linde Services Canada in to tackle the challenging tanks with their IN2ERT™ chemical service. The job was completed ahead of schedule and under budget – with a 90% acceleration on the timeline for the last two tanks.”

SAGD Turnaround Engineer, Oil Refinery Facility, Christina Lake, Alberta, Canada