



Deployment Snapshot:

Chloride Treater Decontamination using IN2ERT™

Challenge

- Reduce LEL and benzene levels to zero
- Shrink 4 day cleaning window
- Reduce delays in maintenance of downstream units
- Overall: Reduce downtime and costs

Project

Chloride treater decontamination for accelerated purge and cleaning

Execution

Hot N₂ fed into the top of the reactor; fluids captured in downstream knockout. Drum; gases sent to downstream scrubber to remove VOCs and H₂S and benzene; Decontaminating chemical mist entrained in N₂ delivered to the chloride treater; cooldown of reactor after injection of decontamination chemical

Results

Improved performance with IN2ERT:

- 0% LEL and 0 ppm benzene within 24 hours
- 70% time savings overall on completion of N₂ cooling of reactor bed
- 35% cost savings
- Reduced safety concerns during catalyst changeout, mitigating risk of personnel exposure to toxic gases if catalyst is not cleaned properly
- Safeguard against benzene spikes as adsorbed benzene removed from reactor walls

In the Customer's words

"The IN2ERT™ reactor cleaning helped to greatly reduce our downtime when servicing the chloride treater, providing 70% time savings compared to previous times with nitrogen alone. Having a reliable solution saved other costs as well, like reducing the time on site for our vendor handling the effluent vapor control. We have other projects where we will definitely be using IN2ERT in the future."

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