



# 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 N<sub>2</sub> fed into the top of the reactor; fluids captured in downstream knockout. Drum; gases sent to downstream scrubber to remove VOCs and H<sub>2</sub>S and benzene; Decontaminating chemical mist entrained in N<sub>2</sub> 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 N<sub>2</sub> 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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