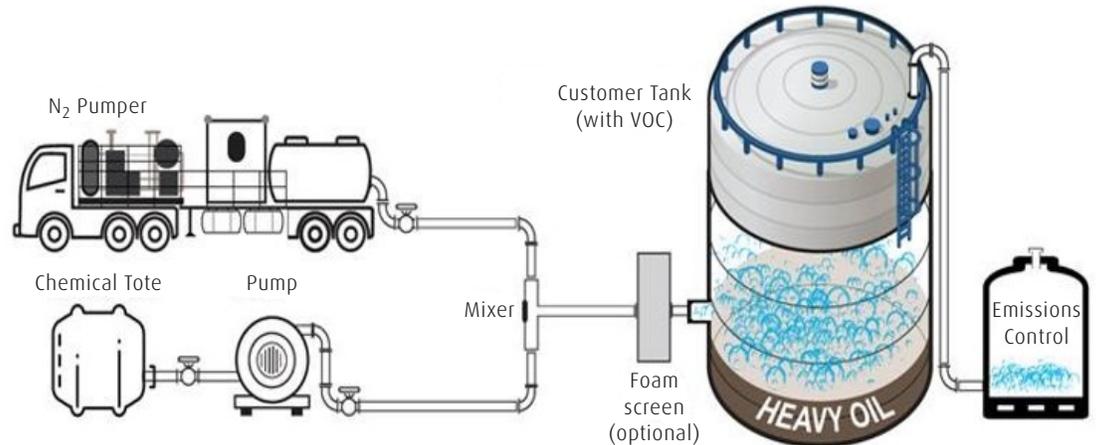




IN2ERT™ Service Accelerated Purging and Cleaning Services

IN2ERT purging and cleaning from Linde Services Inc. delivers safe, reliable, and fast cleaning to maintain equipment containing hydrocarbon residues or volatile organics.

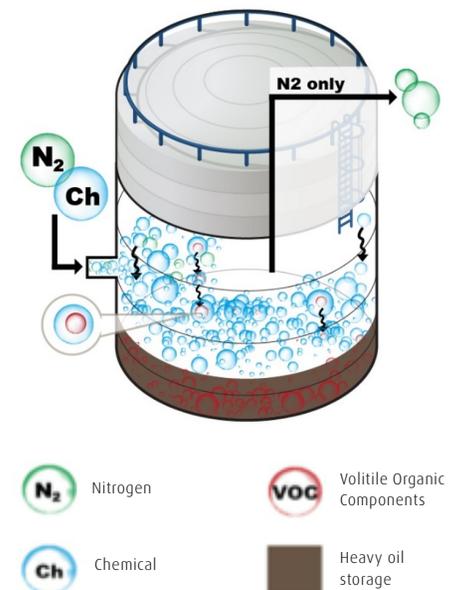


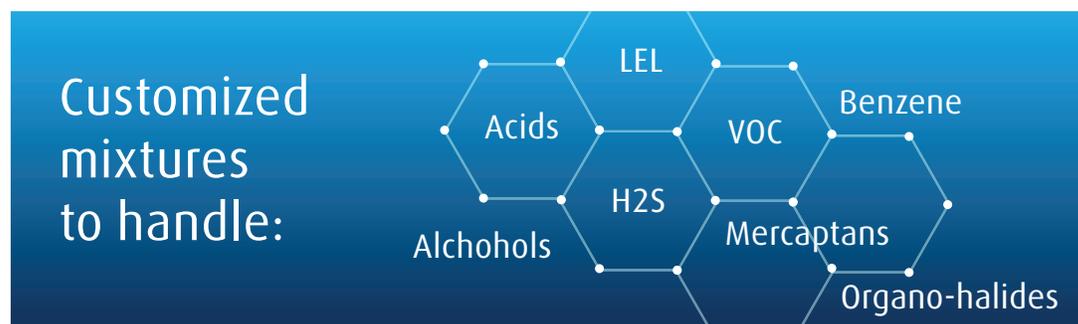
Linde's IN2ERT service gives asset owners a quick and efficient means to suppress toxins for maintenance work. Our expert staff will develop a customized chemistry based on contaminants such as - H₂S, BTEX, LEL, and others that will mix with a nitrogen stream rapidly clearing tanks, piping & heat exchangers of H₂S/VOC's. The IN2ERT mist encapsulates the toxins rendering the vessel inert and the waste environmentally friendly.

At times, after traditional nitrogen purging of tanks and piping, the residues left in these units will continue to emit H₂S and volatiles requiring suspension of maintenance activities. With the IN2ERT process, the mist absorbs the hydrocarbons while also coating the internals/residues (encapsulation) preventing further release of emissions. This ensures that maintenance downtime meets the scheduled outage.

IN2ERT Service Advantages

- **Faster** & more predictable service vs nitrogen-only purging
- **Safer** because of encapsulating nature of chemicals
- **Tailored** chemistry for different contaminants (H₂S, Acids, VOC's, etc.)
- **Versatile** application to various types of process equipment: Tanks, Process Vessels, Pipe Conduits, Heat Exchangers etc.
- **Environmentally friendly** due to vapor encapsulation utilizing organic chemicals
- **Cost-effective** for challenging vessels and pipe-work to be cleaned



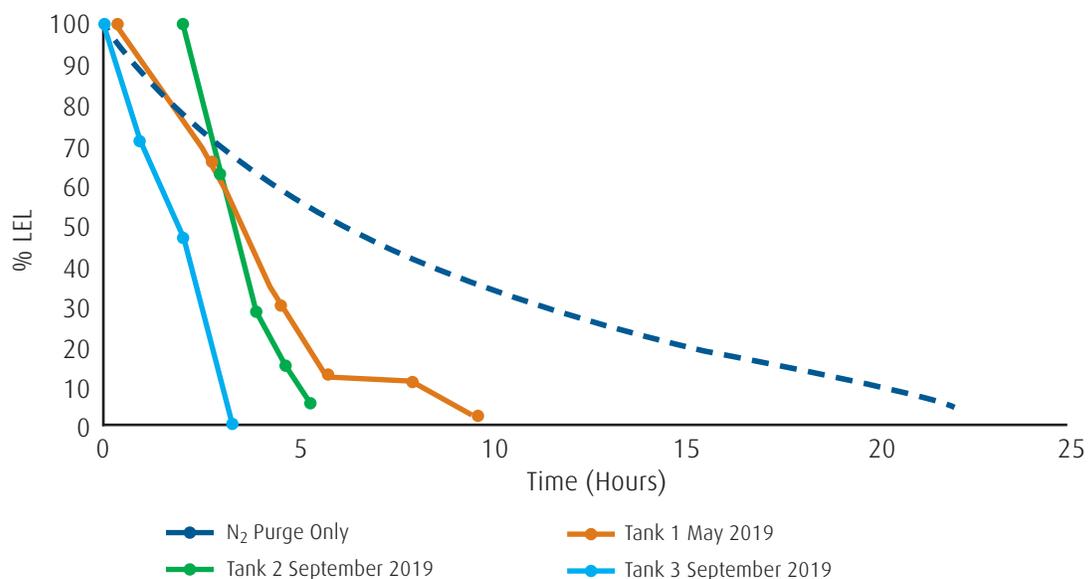


- Applications**
- Tanks with significant internals
 - Process vessels
 - Oil tanks with significant sludge deposits
 - Oil pipelines
 - Heat exchangers that need to be cleaned
 - Volatile crude oil/oil tanks
 - Need for rapid LEL suppression & high H₂S content



- Setups**
- Nitrogen supply
 - Non-hazardous chemical injection skid
 - IN2ERT mixer with safety valves
 - Optional scrubber

Effect of Using the IN2ERT system to LEL Free Skim Tanks



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