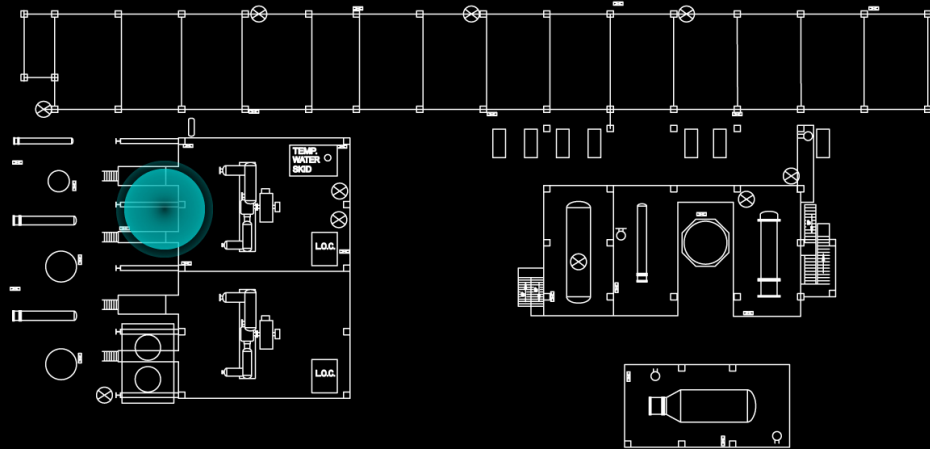




Category 1 Emissions at Toluene Fractionation

Early Emission Detection Enables Quick Response



PROBLEM

Emissions go undetected on equipment not included in routine AVO or LDAR monitoring program. Potential for increased safety risk.



TRANSFORMATION

Adoption of the mPACT2WO emission and compliance monitoring solution ensured uninterrupted operational insights with timely alerts to central monitoring and field operations. The digital solution facilitated a seamless transition to achieve a safer working environment across the facility.



ASSET

- Electrical junction box
- Hydrogen compressor



ALERT

LDSN turned on and within a few hours, a Category 1 of high emission detection notification was issued.



RESULT

- Identified leak that was not detected during AVO rounds.
- Leak discovered on an electrical junction box not subject to AVO monitoring.
- Informed decisions able to be made to take equipment offline for repairs.



INVESTIGATION

- Operations and LDAR team utilized IR camera to survey area identified by notification.
- Identified recycled hydrogen leaking from compressor loader and associated junction box.