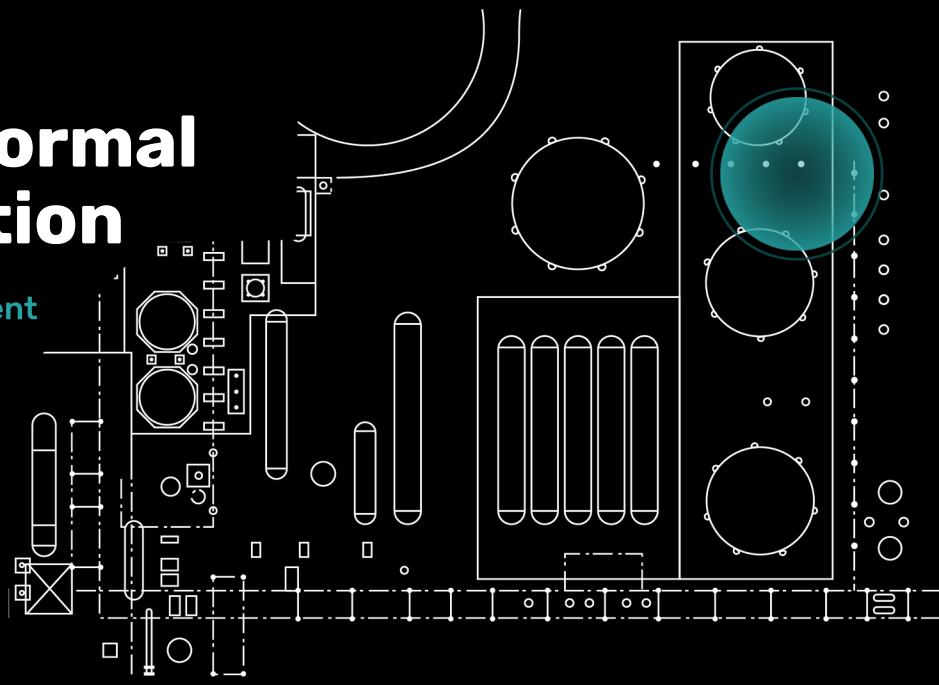
mPACT2WO
a molex Business

CASE STUDY

mRegz™ AirCompliance

Preventing Abnormal Emission Condition

Achieving a Safer Working Environment via Early Detection



PROBLEM

A large U.S. refinery sought to mitigate abnormal emissions to ensure a safer working environment.

TRANSFORMATION

The seamless adoption of mPACT2WO emission and compliance monitoring solution provided the continuity of operational insights with timely alerts to central monitoring and field operations. The solution enhanced the digital approach to seamlessly shift existing operations methods to address ESG.

ASSET

At the refinery, an authorized emission source at a tank farm conservation vent experienced an abnormal condition that could have persisted for several weeks with increased risk of exposure.

ALERT

The ops team received an alert that showed a red highlighted box on the sitemap, which the control room identified as in the vicinity of numerous tanks and associated piping. This allowed the control room to decide on an appropriate troubleshooting approach.

RESULT

Early indication and location information enabled operations to find and correct tank farm "stuck" conservation vent within hours, rather than weeks, of occurrence. This avoided potential unsafe condition and/or personnel exposure due to the abnormal equipment condition. The abnormal condition was discovered and corrected prior to exceeding emission limits.

INVESTIGATION

Within minutes of the alert, operations personnel were dispatched to the area, but an initial inspection of the area did not identify the source of the leak. An infrared camera was deployed, and within 4 hours of initial notification, emission source was located and corrected shortly thereafter.

04/22