

Case Study

LNG Gas Monitoring

Company Profile

This customer is a multinational electricity and gas utility company.

Challenge

A natural gas utility operating a liquified natural gas facility was utilizing obsolete gas detection sensors and relay-based alarm annunciation system. The electromechanical annunciation device was prone to failure and the sensors could no longer be calibrated properly.

In addition to modernizing the gas detection system, the customer desired to have multiple people have access to alarms as they occurred to ensure safe operation of the facility.

Solution

Rawson/Industrial Controls provided up-to-date infrared methane detectors, which do not require periodic calibration and a PLC/SCADA-based monitoring and annunciation system. Rawson/Industrial Controls provided gas detection startup and automation programming and integration services.

Results

The infrared detectors, once configured, do not require calibration as the traditional catalytic bead sensor do. A PLC-based system is an all-electronic system that is not prone to mechanical failures, such as relay coils and indicating lights reaching end of life. SCADA software annunciation allows for multiple operating stations and remote viewing on phones, tablets, and laptops.

