

Client Segment Name:

Fertilizers & Chemicals Manufacturing Company

About Customer:

The customer is a fertilizer company and its products provide an agricultural boost to the farmers in Gujarat and make the state self-sufficient in fertilizers. The company is now diversified and structured in to the foray of industrial chemical segments by using by-products generated by its own group of fertilizer plants.

Customer Problem:

The manufacturing unit release ammonia waste product which needs clean and efficient combustion. Since ammonia is extremely hazardous, proper combustion through flare is required for safer environment. The customer was looking for a solution to detect the presence or absence of flare.

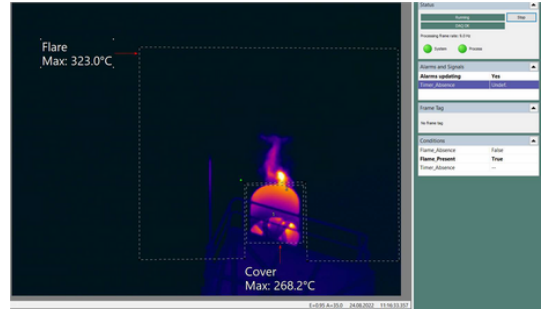
ASEPL Solution:

Thermal Imager TV40

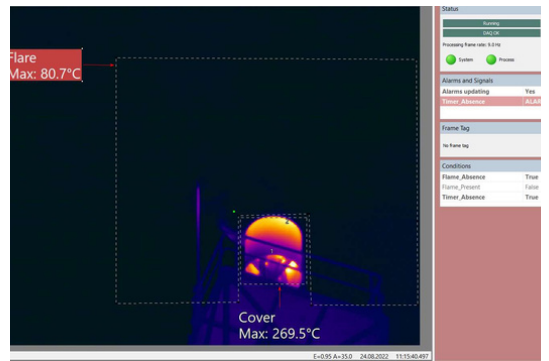
Thermal Imager TV40 with Automation mode running will help clients to have Digital Output about flare presence and absence. With the multiple Area of Interest (AOI) combination around the Flare, the user will have configured an alarm to avoid false alarms. In the below snip a Polygon shape AOI is made to avoid Cover Temperature. The target here is not to measure the correct temperature of the flare but to detect the presence and absence of the flare.

Thermal Imager TV40 Features:

- Wide temperature range: -10 to 1200 °C (14 to 2192 °F)
- 320 x240 and 640 x 480 infrared resolution
- 9 or 60 Hz models available
- Rugged housing, IP67 (NEMA 4) rated
- Sighting: IR-Fusion® technology (thermal and visible sighting) for easy alignment and added detail on blended images
- Remote motorized focus
- Multiple field interchangeable lens options available
- GigE Vision interface
- ThermoView software for industrial automation applications



Flame Present: NO ALARM



Flame Absent: ALARM



[DATASHEET](#) 