

Reliable fuel leak detection for Saudi-Arabian petrochemical tank farm

PROJECT DETAILS

Contractor:	Sinopec Engineering Group Sa Ltd.
Rep/partner name:	Khusheim
Location:	Riyadh, Saudi Arabia
Industry / type of plant:	Oil & Gas, Tank Farm
Application:	nVent RAYCHEM TraceTek Fuel Leak Detection System (FLDS)
Scope of work :	Leak detection of MTBE petrochemicals at a large tank farm facility
Project start-end date:	2018-2019
Product and technology used:	Fuel Sensing Probes - TTFFS Control Panel & SIM modules



KEY CHALLENGES

The customer was looking to install an updated system capable of detecting MTBE (Methyl tert-butyl ether) leaks at its bulk plant supply tank farm.

We faced competition for the project from a number of manufacturers offering different technologies. The nVent RAYCHEM TraceTek system was ultimately selected thanks to its proven track record of performance and approvals from internationally accredited agencies, including UL, FM and API.



SOLUTION

nVent RAYCHEM TraceTek TTFFS probes were the solution chosen to detect MTBE leaks, because of their high sensitivity and ability to pinpoint the location of a leak to within +/- 1 meter.

BENEFITS

The nVent RAYCHEM TraceTek WLDS and FLDS offer a complete UL and FM approved leak protection solution, while nVent's turnkey design, supply and installation service provides contractors with end-to-end project support. The system's ability to precisely locate the site of a water or fuel leak allows for the effective protection of essential hardware against fluid damage and fire in critical facilities serving financial institutions, data centers and fuel storages sites.

Additional benefits include:

- 1) Fast acting, accurate leak detection - the nVent RAYCHEM TraceTek leak detection system utilizes innovative sensing cable technology and fast acting probes to quickly pinpoint the precise location of a leak to within +/- 1 meter.
- 2) 24/7 protection - the nVent RAYCHEM TraceTek leak detection system offers continuous circuit integrity monitoring via its connections with the main control panel. In case of a system error, the control panel's self-diagnostic tools automatically identify the issue and generate incident reports, allowing for faster maintenance and fault resolution.
- 3) An established, trusted solution - since the 1980s, nVent RAYCHEM TraceTek systems have safeguarded hundreds of facilities around the world, including the Middle East and India.
- 4) Local knowledge, extensive expertise - nVent's long-established presence in India, along with its network of expertly trained and fully certified local partners, provide a complete turnkey leak detection solution - from project management to aftermarket services and support.

nVent is looking forward to working with the tank farm provider on future projects, as it looks to expand its facilities for the storage of different chemicals.

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