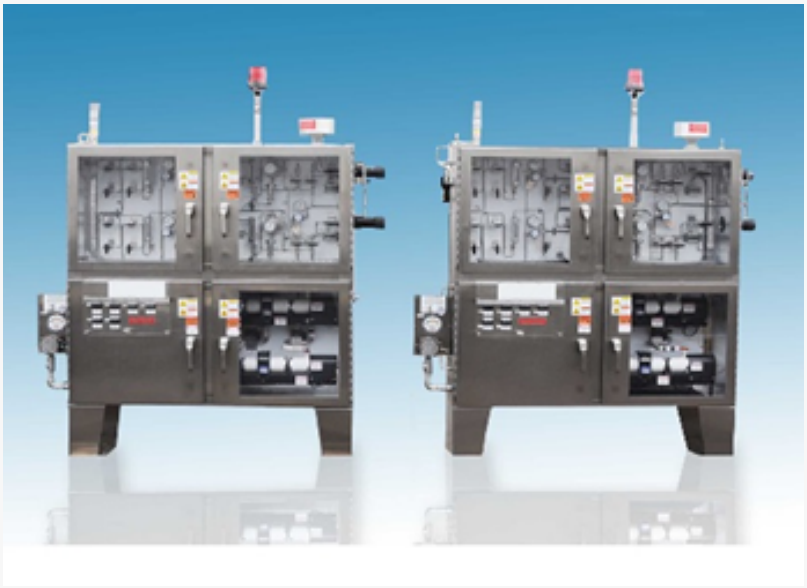
Cemtek KVB-Enertec Press Release HCN TDL Update

Performance Update #4



Press Release

SANTA ANA, CA, USA, November 28, 2018 /EINPresswire.com/ -- Press Release
Performance Update #4 (Performance Report) Major Texas Chemical Company using Cemtek-Unisearch Tunable Diode Laser Analyzer (TDL) to monitor real-time Hydrogen Cyanide (HCN)
Santa Ana, CA, - October 26th, 2018 Cemtek KVB-Enertec, a technology leader in Continuous Emissions Monitoring Systems (CEMS) engineered, built, tested, installed and initiated a custom TDL Analyzer for monitoring highly dangerous Hydrogen Cyanide (HCN) gas at a major Chemical Company in Texas. The proven Cemtek/Unisearch Model 7000 Tunable Diode Laser (TDL) Monitor was coupled with a long path length white cell and configured to measure ppb levels of HCN. The specialty enclosure was engineered with safety purge & lock-outs designed for the safety of workers and the environment.
This design was first tested on site for an eight-month period and operated flawlessly during that time with no maintenance or breakdowns. This was in stark contrast to the sites' existing Infra-red based analyzer system which required frequent troubleshooting & service; which posed a significant risk to workers that were required to repair and troubleshoot the Infra-red system. The accuracy was also constantly called into question. Cemtek then engineered & built a new system. The new Cemtek/Unisearch System has been in operation for four years, during this time it has 100% availability, required zero maintenance and has proven accuracy. The chemical plants technical staff said they have not had to touch Cemtek/Unisearch analyzer once in four years and that no other instrument they service has given such a high level of accuracy, performance & reliability.

> Cemtek KVB-Enertec, Innovative Emissions Monitoring for Compliance and Process Improvement"
> *Ty Smith*

The laser-based analyzer is a marked improvement on existing technologies used to measure HCN and other gasses in harsh or dangerous applications. The simplicity, accuracy, performance and unmatched reliability results in measurable cost savings for this customer and a short payback time.
Cemtek's Model 7000 Laser Monitor is a continuous emission monitor designed to measure flue gases for both compliance and process monitoring in the most demanding of applications. The TDL utilizes a near infrared (NIR) Tunable Diode Laser Absorption Spectrometer System utilizing a single mode Distributed Feedback Laser (DFB Laser) for unsurpassed accuracy and performance. Since the spectral purity of the Laser is high and the selected absorption feature is

unique, measurements can be made free of interferences from any other gas. The measurements are made in□situ across the Stack (also known as Integrated Path or “IP”) in either a single or dual pass design depending upon the requirements of the application. A Windows-based Software package is available to display the data on either a host laptop PC or the client’s existing Data Acquisition system.
For more information on the Cemtek 7000 TDL monitor, please visit: http://www.cemteks.com
Cemtek KVB-Enertec is a division of Cemtek Group and provides a single source for cost effective engineering, gas monitoring, Data Acquisition systems (DAHS), CEMS design, integration and field services. All phases of Air Monitoring and reporting requirements are provided using our network of highly skilled Field Service Technicians, CEMS Specialists, Engineers and extensive CEMS design experience, measuring NO, NO2, NOX, SO2, CO, CO2, HCl, NH3, THC, H2S, HCN, Hg and many process gasses.

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