

Control of VOC Emissions During Cleaning of Crude Oil Storage Tanks

A large holiday resort had developed over the years along the coast from an oil refinery in Southern Europe, since it was originally built. A specialist oil storage tank cleaning contractor needed to control the level of emissions of volatile organic compounds (VOCs), hydrogen sulphide and mercaptans during the removal of sludge deposits from the bottom of crude oil storage tanks at the refinery to minimise the possibility of noxious odours being released and reaching the resort.

The contractor set up a network of atomising nozzles around the tanks prior to commencing work to remove the sludges. The nozzles supplied with a solution of Global Advantech's VOC Abatement/Deodoriser Concentrate DC142, under pressure, to treat the air and remove volatile organic compounds (VOCs), hydrogen sulphide, mercaptans, etc.

VOC Abatement/Deodoriser Concentrate DC142 is a highly concentrate product and diluted at a rate of 1 part in 500 parts of water using an automated dosing system before being atomised into the air. In addition to a pleasant perfume, it contains



chemical agents which sequester and "lock up" on contact volatile hydrocarbons, sulphides and other odorous molecules removing them from the air.

Global Advantech develops and supplies innovative products and technologies for environmental clean-up and pollution control for:

- *Recovery of hydrocarbons from oil and gas production wastes and sludges.*
- *Treatment of wastewater and effluent.*
- *Remediation and decontamination of hydrocarbon contaminated soil, sand and concrete.*
- *Control of VOC emissions, noxious odours, and aerosols wastewater and effluent containing pathogenic bacteria.*



Global Advantech Limited

Exceptional clean technologies for a sustainable future.....

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