



...www.is the solution.com

MerCure

Desorption & removal of mercury from carbon steel

Rapid removal of mercury prior to hot works

Protect welders, grinders, surface preparation technicians

Spray on application

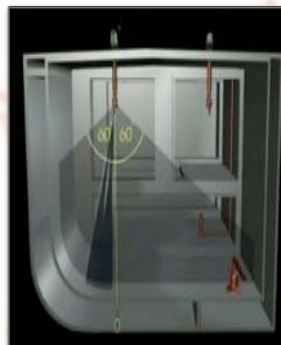
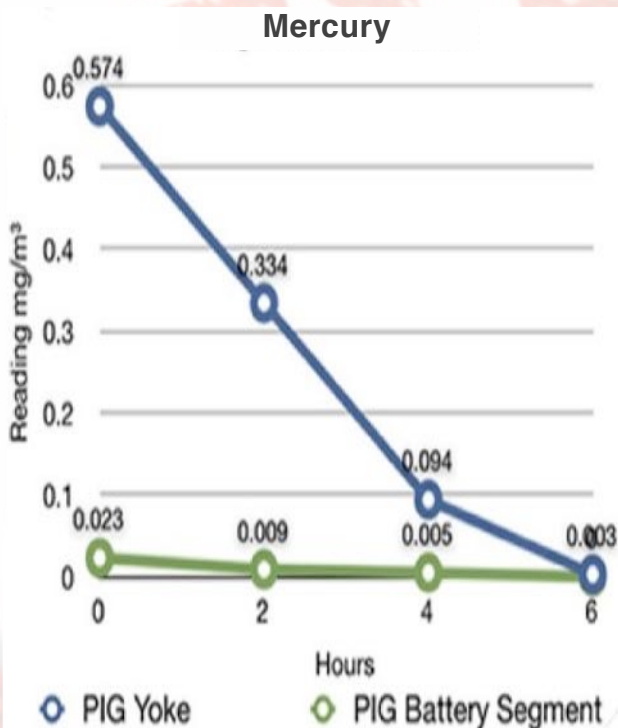
>65% removal in 10 minutes @ 35µm

Mercury is enticed from the surface matrix and stabilised as an inert paste/powder



for:

Decontamination Chemicals



HyDeX

Quick and effective decontamination of hydrocarbon-borne contaminants.

LEL gas freeing in a few hours

Irreversible & immediate reaction

Low COD values for wastewater treatment

Use with steam, circulation or spray neat

Decontaminates: VOC, LEL, H₂S, CO, FeS scale, pyrophoric polymers and hydrocarbon sludge



MeDeX 80

The world's most effective mercury vapour suppressant.

Irreversible conversion of all mercury vapours to mercuric-salt

Use with steam, circulation or spray neat

Safe to handle

Optimised for use in refinery processes, columns, tanks, vessels, drums, piping as an additive to the steam purge LPG gas train full decontaminated <12 hours



HM Fix

Encapsulation of heavy metals in water, fluids, soils and sludge.

Complete encapsulation of all heavy metals (incl. mercury) in an organosilica crystal base

TCLP compliant for non-hazardous disposal

100% Safe to handle

100% Environmentally friendly
Encapsulation process is irreversible and cannot be broken down by natural means

Uses: soil remediation, site remediation, decontamination



Odor Fix

Molecular degradation and silicate encapsulation of toxic vapours and odours.

Complete encapsulation of: H₂S, phenols, mercaptans, ammonia and SO₂

TCLP compliant for non-hazardous disposal

Can be used in combination with existing scrubber system

100% Safe to handle

100% Environmentally friendly



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Services

- *Mercury Decontamination*
- *Decontamination of Facilities (Onshore, Offshore, Tanks, Vessels, Ancillaries)*
- *HazMat Investigations & Surveys*
- *Mercury Management Plan (MMP)*

Chemicals

- *Mercury Vapour Decontamination*
- *Hydrocarbon Decontamination*
- *Hydrocarbon Viscosity Reduction*
- *Heavy Metals Encapsulation*
- *H₂S Scavenger (Non-Triazine)*
- *Mercury Desorption & Amalgamation*

Products

- *4-Stage Respiratory Protection (Portable)*
- *Mercury Vapour-Proof Masks (Disposable)*
- *Mercury Vapour Analysers*
- *Multi-Gas Detection & Monitoring Systems*
- *Wireless Gas Detection Systems*
- *Heavy Metals Field Analysis Systems*
- *Biological Monitoring & Protection Kits*
- *Mobile Laboratories*

Who Are We?...

Total Hazardous and Integrated Solutions [THIS] is an independent company promoting niche environmental projects and solutions for the global oil and gas and petrochemical industries and is accredited, with ISO 14001, ISO 9001, OHSAS 18001 and TIS 18001.

THIS was established in Thailand as a privately owned service company in 2013 with a focused range of products and services for customers throughout Asia and Australia. THIS now holds multiple contracts for Mercury Management Services across the globe including the conduction of HazMat surveys and investigations as well as Mercury Management Plans (MMP) specifically tailored to address and control the risk of mercury, mercuric compounds and elemental vapour as well as the safety of personnel and asset integrity.

THIS is the leading mercury management specialist in South East Asia. We deliver a wide range of mercury related services, including...

- **Hazardous Material Handling**
- **Waste Reduction and Treatment**
- **Storage and Final Disposal Solutions**
- **Total Mercury Decontamination of pipelines, vessels, facilities, tools and ancillaries, hazardous shutdown / turnaround supervision**
- **Provision of Handling Procedures for Hazardous Materials**
- **Bespoke Training Services**

Contact Us

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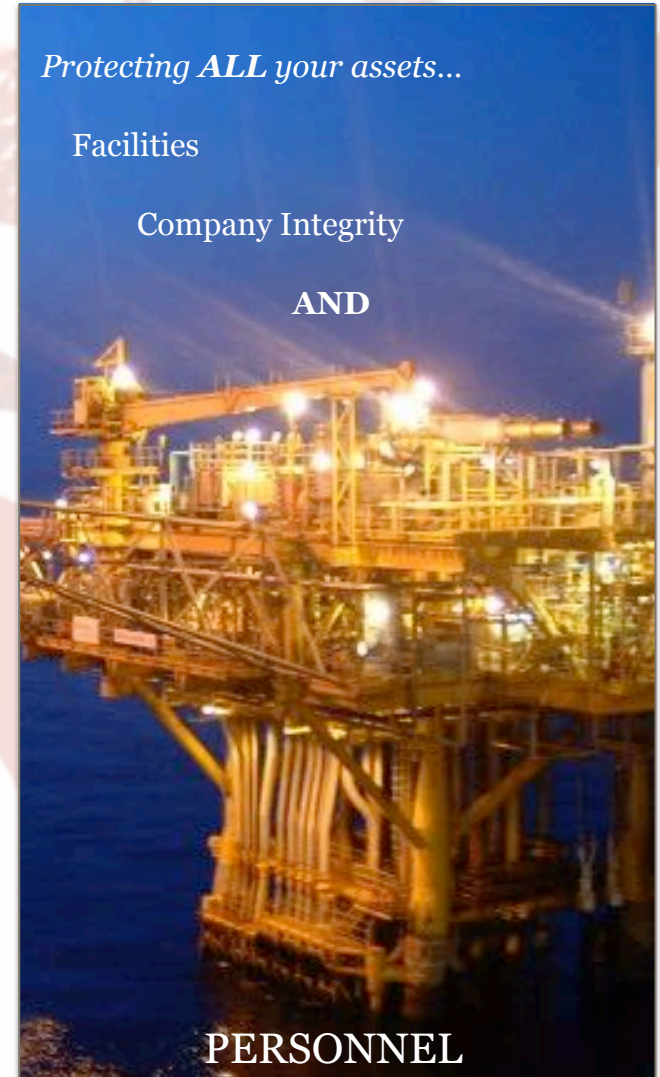
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Protecting **ALL** your assets...

Facilities

Company Integrity

AND



PERSONNEL