



...www.is the solution.com

Increased Levels of Safety ✓

Fast Decontamination ✓

Cost Effective Solutions ✓

Supported Implementation ✓

Other contaminants addressed:

NORM/TENORM

Hydrogen Sulphide (H₂S)

Benzene

Butadiene

for:

Decontamination Services



HazMat Hot Work

Determination of mercury in steel prior to hot works with the chemical desorption and decontamination of designated areas prior to work scope. XRF verification and continuous monitoring for hot work crew.



Spill Cleanup

Rapid reaction spill cleanup crew capable of mercury vapour suppression and total mercury cleanup. Determination of cross-contamination and removal of mercury from drains, tanks, pipes, soil, etc.



Ancillary Decontamination

The non-detrimental decontamination of process ancillaries such as skids, PIG tools, valves, tooling, BOP, drill bits, etc. with waste reduction, stabilisation and disposal.



Facility Decontamination

The decontamination of refining facilities with single unit or online injection for decontamination as part of the facility shutdown process. Includes all columns, vessels, drums, tanks and piping.



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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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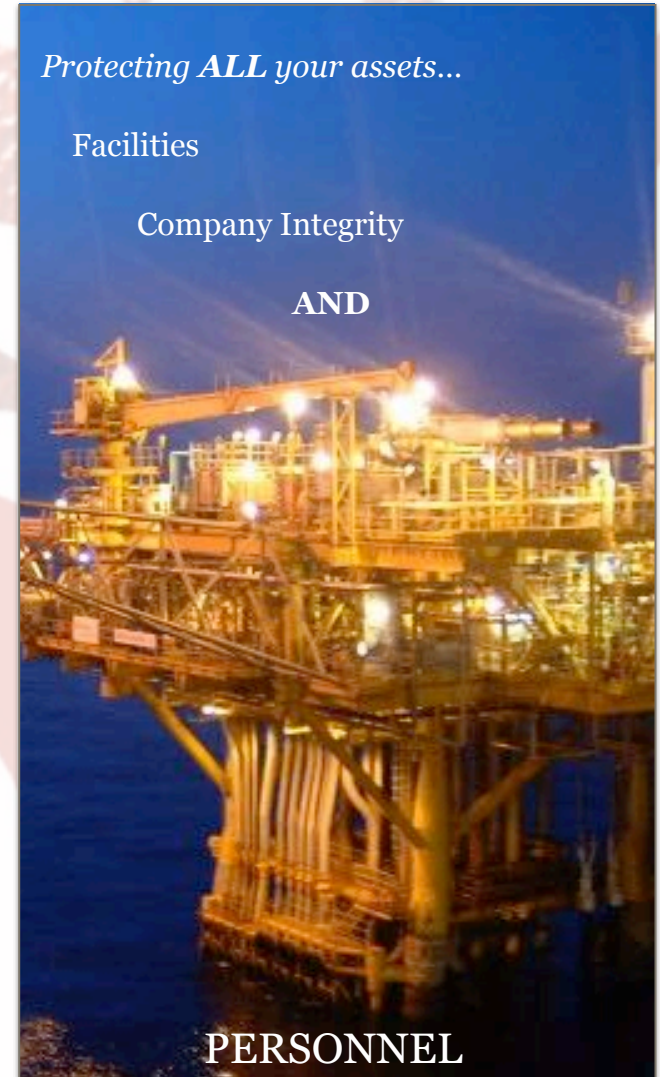
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Protecting **ALL** your assets...

Facilities

Company Integrity

AND



PERSONNEL