



...www.is the solution.com

### THIScavenger

Non-triazine, non-formaldehyde water soluble 'scavenger' for gas, crude, condensate, naphtha and water.

*Irreversible conversion of H2S & Mercaptans to liquid salt which binds to an amine molecule and mixes with the produced water  
Very low COD*

*Non-corrosive and compatible with all production systems*

*40% less chemical than Triazine-based products*

### Mercury Magnet™

Amalgamation and vapour suppressant for mercury cleanup and remediation.

*Proprietary blend of powders that amalgams with mercury*

*Amalgamated mercury can be collected using a magnet*

*Can be used for site cleanup and soil remediation*

*Works underwater; ideal for mercury spills in drains and water courses*

*Reduces mercury vapours quickly to safe levels*

for:

## Treatment Solutions



### PARALAX

Non-volatile nano-chemical formula for the treatment and control of wax.

*Mobilises all waxes within the hydrocarbon environment*

*Creates waxophobic nanostructure*

*Works for 2-3 months after treatment*

*Lower load on pump, rod and drives*

*Fewer workovers caused by wax blockages*

*Increased well performance*



### ESS-X Soil Stabilizer

Soil stabilization/bonding solution.

*Proprietary aqueous enzyme*

*Use on:*

- New road construction
- Existing (non-surfaced) road bed maintenance
- Dust suppressant
- Pit linings

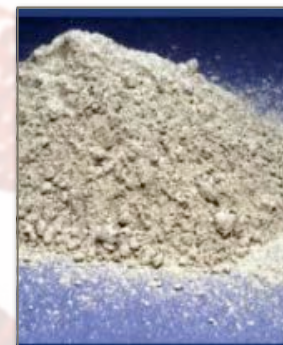
• Rig/accommodation sites

*Minimal maintenance costs*

*Reduced construction costs*

*Enhanced weathering*

*Zero adverse environmental impact*



### OMNI-Kap™

Waste solidification powder

*Additive to any water containing waste sludge to rapidly set into a solid stone-like substance.*

*Sets in 30-240 minutes*

*Stabilisation of all*

*contaminated sludges*

*Meets EPA compaction*

*requirements for earth burial*

*TCLP compliant for non-*

*hazardous disposal*

*Mix by hand or mechanically*



### OMNI-Fix™

Solidifying flocculent powder for water insoluble organics and heavy metals.

*Dry powder formulation of inorganic chemical*

*Produces a peptised gel in aqueous solutions and dispersions*

*High flocculating & ion exchange properties*

*Proven to remove over 99.9% of treated pollutants*

*Resultant sludge is EPA and TCLP complaint for non-hazardous disposal*



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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*
- *H<sub>2</sub>S 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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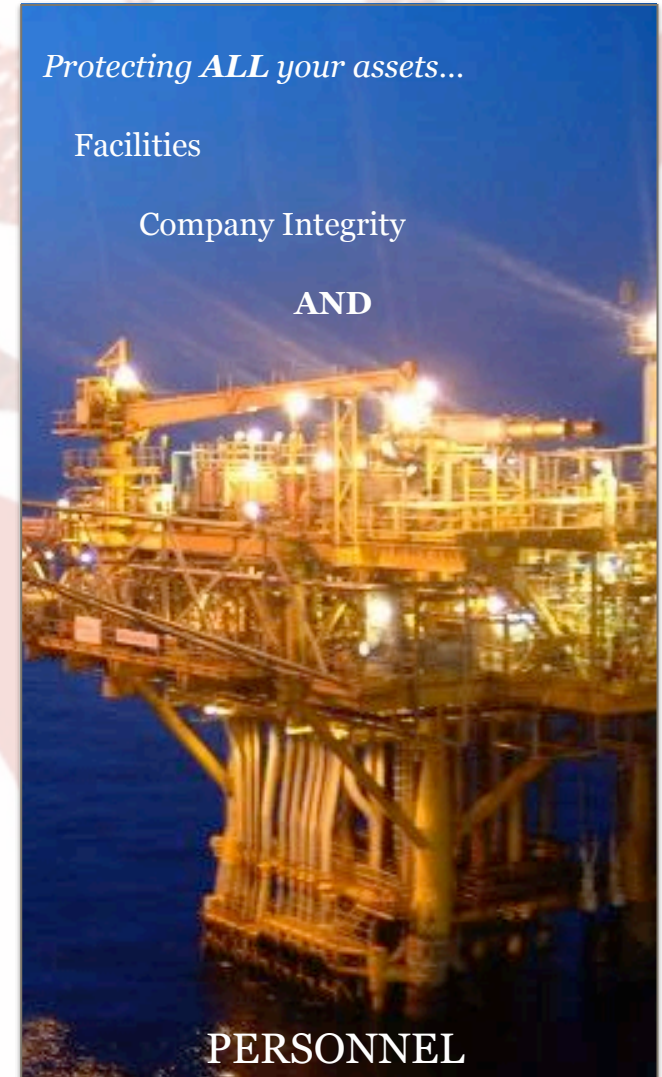
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Protecting **ALL** your assets...

Facilities

Company Integrity

AND



PERSONNEL