



DTE PACIFIC CAPABILITY STATEMENT

DTE Pacific – at a glance



- Pacific Industrial Company acquired assets from DTE Group in May 2018
- Key personnel & expertise from DTE Group
- Australian owned & operated
- Proudly Australian made
- Manufacturing facility at Naval Base, WA



DTE Pacific – at a glance

We offer a full range of storage tank options to buy or lease:

- Double wall aboveground WrapTank™
- Double wall containerised WrapTank™
- Minor storage WrapTank™
- Custom fabricated tanks
- Single wall aboveground tanks
- Fire rated aboveground tanks
- Vertical tanks
- Jacketed underground tanks



Workshop in Naval Base, Western Australia:

- Manufacture tanks up to 200,000 litres
- Area 9,000 m²
- Five 20 Tonne overhead cranes

Products & Services

HyQube Double Walled WrapTank™



- Sea container twist locks
- Folding ladder
- Secure access platform
- High level audible alarm
- Inspection manhole
- Spill box complete with lockable lid
- Internal baffles
- Tank curved top & bottom
- Visibility under & around tank
- Various sizes available

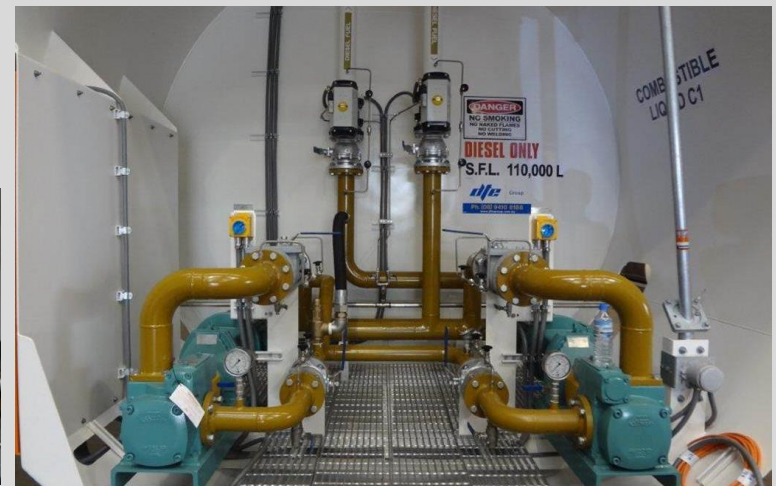


Product & Services

Double Walled WrapTank™



- Designed & manufactured in Australia
- Cater for specific requirements
- Multi compartment available
- Integrated self contained equipment bay
- Tank farm
- Complete fuel dispensing & management systems available
- Various sizes available



Product & Services

Double Walled WrapTank™ - T200



- SFL 200,000 litres
- Largest double wall tank in Australia
- Multi compartment available
- Can be transported via road
- Manufactured in Australia according to Australia Standards



Product & Services

Double Walled WrapTank™



- T110 Double Wall WrapTank™ leaving DTE Pacific Workshop at Naval Base

Products & Services

Double Walled WrapTank™



Design, installation and commissioning
of fuel farms - WA

Products & Services

Double Walled WrapTank™



➤ Turnkey fuel farm – Peculiar Knob, SA

Products & Services

Dispensing Skid Module



- Design, manufacture & commission to suit site requirements
- Skid modules are able to work independently or remotely from our range of self bunded tanks
- Full range of options are available to be installed on the skid modules
- Available for LV, HV, HME applications
- Filtrations, ATG, FMS
- Tanker Unloading



Product & Services

Dispensing Skid Module



Filters

Sample Points

- Requirement 15/13/10
- Achieved 14/10/9
- 2 booms
- Flow rate 700 lpm

Products & Services

Spill Tray Containment



- Trafficable
- 3000 x 2000 x 300mm deep
- Hot dip galvanised
- Removable grating
- Rated to 200T



Products & Services

Lube Facility



➤ Lube Facility Mining



Products & Services

Unmanned Sites



- Unmanned sites fitted with Outdoor Payment Terminals (OPT) and Automated Tank Gauging (ATG)



Products & Services

Lube Pipe Work and Multi Hose Reel Stand



Products & Services

Single Wall Storage Tanks



- 300,000L Single Wall Tanks
- Pipework & Pumping Station with bottom loading

Products & Services

Minor Storage



- Baffled for extra strength
- Rated lifting lugs can be lifted full
- Interstitial space monitored
- Forklift pockets
- Calibrated dipstick
- Standard tank fittings including multiple suction and return points
- Tanks able to be stacked
- Inspection manway



Products & Services

Double Wall / Self Bunded Fuel Trailers



- 1,000 L
- 1,200L
- 1,500L
- 2,000L



- Heavy Duty Construction
- Spill Kits

Products & Services

Underground Double Walled Tank



Protecting Liquid Assets Around the Globe

PLASTEEL INTERNATIONAL, INC.

ELUTRON
Double Wall Underground Storage Tanks

Double Wall Underground Storage Tanks

ELUTRON[®] TANKS

The ELUTRON[®] Underground Tank Technology provides proven pollution protection for our earth's very fragile and limited underground drinking water source.

Only 2.6% of the Earth's water is non-salty.

Fiberglass Reinforced Plastic (FRP) Secondary Containment Structure. FRP laminate structure is seamless, durable and encapsulates the primary steel tank. The FRP laminate is Underwriters Laboratories Inc. (UL) performance tested and listed for exterior corrosion protection per UL Standard 1746.

Aluminum foil provides a minimum clearance, free flowing 360 degree interior.

Inner primary steel tank per UL Standard 58. The steel tank is compatible with a large number of flammable and combustible liquids. Steel is the proven, ideal, cost effective material for long term structural security performance.

ELUTRON[®] ANTI-BUCKLING VALIDATION
UL Standard 58 External Pressure Test
Tank submerged in 5 feet (1.53m) of water, no backfill for support, no buckling or deflection.

Steel monitor access tube is welded liquid tight into steel tank. In the event of a breach to the inner or outer wall, the intruding liquid flows into the monitor access tube. Any liquid in contact with the electronic sensor probe will trigger alarm.

Non-corroding collar (optional) provides solid attachments for piping containment sumps.

Less than 1% of the Earth's drinking water is available to humans.

Proven installed performance worldwide. Over 35,000 Plasteel Composite[®] and ELUTRON[®] tanks have been installed since 1971.

Installation procedures are simple with choice of backfill materials. High water table procedures are not complex. Anti flotation anchoring assemblies are available for concrete bedrock pads and deadmen.

ELUTRON[®] tanks have a limited 30 year warranty when storing flammable and combustible liquids.

Capacities available from 500-50,000 gallons (2000 L-200,000 L). Special diameters and lengths available. Multiple compartment tanks available.

Licensed PLASTEEL[®] ELUTRON[®] Tank Manufacturers Worldwide www.plasteel.com

NORTH AMERICA

HALL TANK COMPANY, LLC
<http://www.halltank.com>

INDUSTRIALIZACIONES GUNEX S.A. de C.V.
<http://www.gunex.com.mx>

LANNON TANK COMPANY, LLC
<http://www.lannon-tank.com>

METAL PRODUCTS COMPANY
<http://www.metalprod.com>

TRUENORTH STEEL, INC.
<http://www.truenorthsteel.com>

CENTRAL AMERICA

INDUSTRIAS CORRERA, S.A.
<http://www.correra.com>

SOUTH AMERICA

BERTOTTO, BOGLIONE S.A.
<http://www.bertotto-boglione.com.br>

ASIA PACIFIC

MPI CONSULTANTS LLC
<http://www.mpi.com>

PT DIVERSE PRODUCT ENGINEERING SDN.
BHD - INDONESIA
<http://www.dpmengineering.com>

DIVERSE PRODUCT ENGINEERING SDN.
BHD - MALAYSIA
<http://www.dpmengineering.com>

DIVERSE TANK ENGINEERING PTY LTD
<http://www.dtpgroup.com.au>

MIDDLE EAST

ABU DHABI OILFIELD SERVICES
<http://www.abuad-ost.com>

PLASTEEL INTERNATIONAL, INC.

2310 S. Coast Highway, Suite K
Oceanside, CA 92054, USA
TEL: 760-739-1863 FAX: 760-739-1266
Web: <http://www.plasteel.com>
Email: tech@plasteel.com

ELUTRON
Double Wall Underground Storage Tanks

Products & Services

Underground Double Walled Tank



Features:

- Over 35,000 have been installed since 1971
- Installation procedures are simple
- Limited 30 year warranty



Products & Services

Fire Rated Tanks



FLAMESHIELD® aboveground storage tanks are manufactured with a tight-wrap double-wall design. Standard features include 2-hour fire-tested performance, built-in secondary containment and interstitial monitoring capability.



2-Hour 2000° Fire-Tested Performance

FLAMESHIELD® features:

- 2-hour 2000° fire-test, as required by Southwest Research Institute Standard SwRI 97-04, validates performance of non-insulated tanks
- Primary and secondary tank will vent in an emergency by 2.5 psi
- Primary and secondary tank can be tightness tested on site with standard testing procedures, or manufacturer may ship with vacuum in the interstice to prove integrity of both walls during installation
- Interstitial space can be monitored for leak detection

Additional features:

- Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals
- Support designs available for all seismic requirements
- Choose from many integral support types, including saddles and skids
- Vertical tanks supported on legs, and skirted available, with Listing label
- Capacities range up to 75,000 gallons

FLAMESHIELD® Benefits:

- Steel construction allows for recycling
- Low cost compartments and customization
- Built to nationally-recognized STI standards with strict third-party quality control inspection program

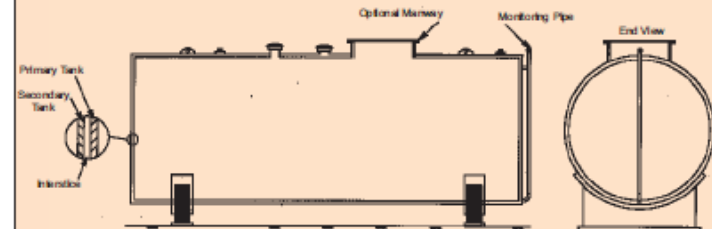


Compatible With a Wide Range of Fuels and Chemicals, Including Biodiesel and Ethanol

Available Designs:

- Horizontal
- Vertical
- Rectangular
- Diked

Flameshield® Fire-Tested Aboveground Steel Storage Tanks



- STI Flameshield® and SwRI 97-04 Labeled
- 300° or 360° outer wall for secondary containment
- Variety of Listed supports available
- Compatible with a wide range of fuels and chemicals
- Capacities range up to 75,000 gallons
- Easily relocated

Flameshield® Guideline Specification

A) General

1. Provide Flameshield® 2-hour 2000° fire-tested double-wall aboveground storage tanks.

B) Labeling

1. Tanks shall bear the Steel Tank Institute Flameshield® identification label.
2. Aboveground tanks shall be listed with and bear Southwest Research Institute 97-04 label.

C) Product Description

1. Tanks shall be manufactured in accordance with Steel Tank Institute Flameshield® Standard for Aboveground Tanks.
2. Aboveground tank primary and secondary containment (inner and outer walls) shall be manufactured in accordance with Underwriters Laboratories UL 142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids.
3. Integral secondary containment shall be testable and provide access for interstitial leak detection monitoring.
4. Listed supports shall be used for all horizontal, rectangular and vertical tanks. Supports are designed for seismic loading, if necessary.

D) Manufacturer

1. Manufacturer shall be a licensed member company of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance program.

Products & Services

Service & Maintenance



- Scheduled maintenance programs
- Repairs & non-scheduled maintenance
- Pump upgrade & replacement
- Systems & communications repair and upgrades
- Fuel management systems installations & support
- Environmental testing
- Tanks and pipe testing
- Document & resolve any other identified issues
- Replace defective equipment & installation
- Complete an audit
- Produce a replacement parts list
- Procure equipment
- Tank farm installation, transport & commissioning
- Tank replacement & capacity upgrades
- Tank removals & site decommissioning
- Data base for asset management
- Filtration to meet ISO 4406 rating
- Manage fuel sampling with strictest care
- Coordinate analysis & provide diagnosis report in accordance to ISO 4406
- Provide a solution for fuel not conforming to ISO 4406

Products & Services

Service & Maintenance



➤ Underground pipework

Products & Services

Service & Maintenance



- Supply & installation of DTE T110 double walled WrapTank

- Supply, installation, commissioning, calibration & training of dispensers, FMS & ATG



Products & Services

Service & Maintenance



- Turnkey marine installation, service & maintenance





- Remote tanker unloading skid with duty & standby pumps



Products & Services

Service Report – Dispensing Systems





Lube and Diesel Dispensing Systems		
Location:		
Serial Number(s) of Tank(s):		Date of Inspection:
		Inspection Carried Out By:
		Items that Fail MUST have a photo
Dispensing		
Light Vehicle Bay	Pass/Fail	Action/comments
Pipe joints show no corrosion		
Pipe joints not leaking		
Pipe support adequate & intact		
Surface treatment not weathered or corroded		
Pipe labels legible and not weathered		
Flange gaskets not leaking		
Flange joints not leaking		
Flange bonnet/gland seal not leaking		
Flange bolts show no corrosion		
Valve handle working, excessive force not required		
Valve screw thread shows no corrosion		
Sump	Pass/Fail	Action/comments
Sump pipe entry boots/penetrations in working order		
Electrical cable sump penetration seals in working order		
Threaded pipe clips show no corrosion		
No sign of diesel leaks into sump		
No excessive dust, grime or insect activity in sump		
Below ground pipework	Pass/Fail	Action/comments
Ground transition corrosion protection intact		
Interstitial space holds pressure		Start _____ Kpa End _____ Kpa
Threaded pipe clips show no corrosion		
Heavy Vehicle Bay	Pass/Fail	Action/comments
Pipe joints show no corrosion		
Pipe joints not leaking		
Pipe support adequate & intact		
Surface treatment not weathered or corroded		
Pipe labels legible and not weathered		
Flange gaskets not leaking		

[illegible]

Products & Services

Service Report – Tanks & Tanker Unloading Systems

Tanks and Tanker Unloading System			Tank Fittings (Dip)			Pass/Fail	Action/comments	Tension of all terminals
Location:			Dip cap present & lockable					General wear and tear (cabinet rust, etc)
Serial Number(s) of Tank(s):		Date of Inspection:	Correct dip stick inside tank					Date and time drift in the PLC and HMI (synchronise if required)
		Inspection Carried Out By:	Confirm no water in tank with water finding paste					Test stopps and local controls
		Items that Fail MUST have a photo	Tank Fittings (Manway)			Pass/Fail	Action/comments	
			Manway gasket serviceable					
Tank Outer Surface	Pass/Fail	Action/comments	Manway bolts serviceable, no excessive corrosion					
Painted surfaces free from rust and deformities			Tank Anti-siphon Valve (self banded tanks only)			Pass/Fail	Action/comments	
No sign of mechanical or impact damage to tank			Check internal mechanism of valve plug working					
No evidence of corrosion at seam welds			Tank Anti-static provisions			Pass/Fail	Action/comments	
No evidence of corrosion at shell/tank support joint			Unloading bonding strap in good working order					NOTES:
Tank foundations intact, no cracking or distortion evident			Bonding strap continuity test ($\leq 10\Omega$ between clip & earth)					
"Combustible Liquid" placard in place & legible			High Level Alarm			Pass/Fail	Action/comments	
"No Smoking No naked flame" placard in place			Function Test-Submerge float in container of tanks liquid					
Tank Bund	Pass/Fail	Action/comments	Alarm audible from tank fill point					
Bund clear of debris			Alarm riser firmly attached, no corrosion at joints					
Seal shows no cracking, weathering or corrosion			Alarm enclosure shows no excessive weathering					
No fouling of drain valve opening, valve functional			Tank Signage			Pass/Fail	Action/comments	
"Bund Drain Valve – Keep Closed & Locked" placard in place & legible			No Smoking No Naked Flame					
Stairs to bund in working order			Product Identification					
Tank Valves (Inlet)	Pass/Fail	Action/comments	Valve instructions					
Flange gaskets not leaking			Product direction stickers fitted					
Flange joints not leaking			Serviced by DTE Sticker fitted					
Valve handle working, excessive force not required			Tanker Unloading System			Pass/Fail	Action/comments	
Tank Valves (Outlet)			Check camlock seals are in place and serviceable					
Flange gaskets not leaking			Check Eosray pumps for sign of leaks					
Flange joints not leaking			Inspect underground pits for signs of pipe leakage					
Valve handle working, excessive force not required			Check ATG for correct level against manual dip					
Gate valve spindle thread is lubricated			Ultrapur Filtration			Pass/Fail	Action/comments	
Tank Fill Pipe	Pass/Fail	Action/comments	Check operation, schedule and alarm log					
Fill Valve-handle working, excessive force not required			Remove and replace Filters					
All flange connections are free from leaking			Electrical / Instrumentation			Pass/Fail	Action/comments	
Tank Fittings (Vent)	Pass/Fail	Action/comments	Any batteries (Maintain voltage when supply is disconnected) and the installation date (is a replacement required).					
Vent gauze clear of any fouling			Any analogue devices not reading correctly.					
Vent riser firmly attached, no corrosion at joints			All fuses					
Desiccant breathers correct colour			Present alarms					

Products & Services

Electrical



- Installation of single and three phase pumping & dispensing equipment
- Installation of solar systems on tanks
- Installation & wiring for FMS & ATG
- Custom designed to suit customer requirements





HyQube Fusion

HQ15 +
DG Store



WrapTank Gen II

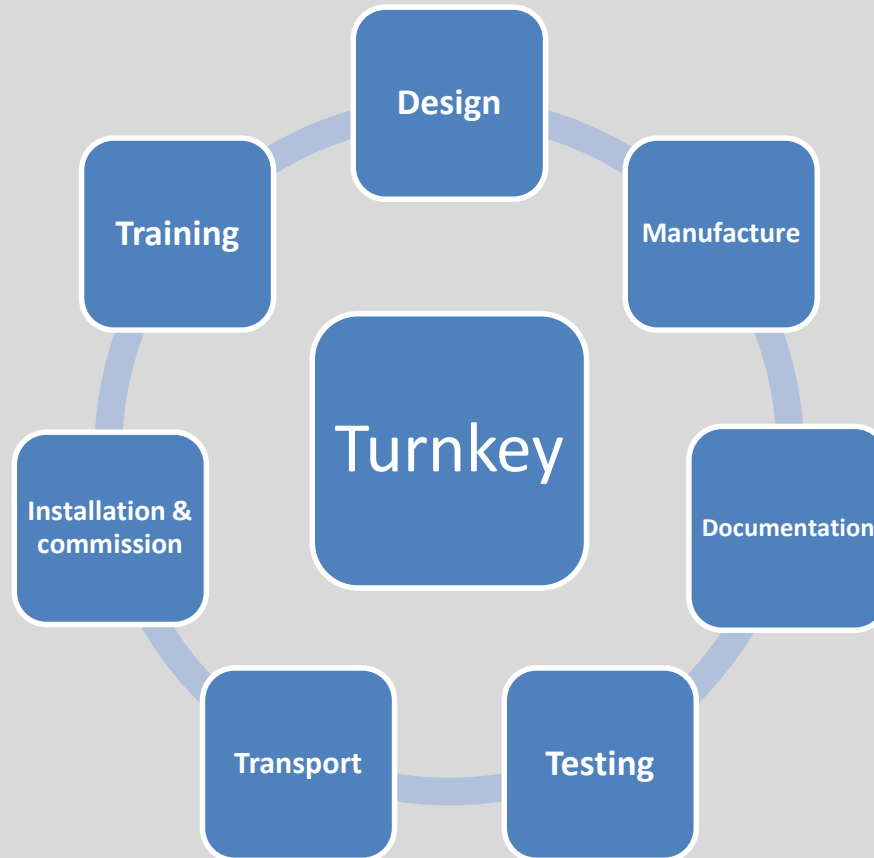
Recessed platform
to reduce working
at heights during
installation



T200 WrapTank

Largest double
wall tank in
Australia

DTE Pacific – In summary



Contact Us:



DTE Pacific specialises in providing turnkey storage and fuel solutions nationwide.

To find out more about us:

Phone: 08 94102566

Email: mail@dtepacific.com.au

Address: 42 Hope Valley Road, Naval Base

