

FUEL STORAGE AND DISPENSING

FUEL-CELL™
petrochem solutions



ENGINEERING™
fuel storage & delivery
system specialists

consultation _ construction _ compliance _

ENGINEERED _ SAFE



Storage & Dispensing

TRL Engineering presents our Fuel-Cell™ range of premium fuel storage and dispensing systems designed specifically for longevity in harsh operating environments. Our range of Bulk Storage Tanks and Portable Fuel Stations are ideally suited to refuelling on-site machinery, equipment, vehicles and fleets where they operate ... saving your business time and money.

The Fuel-Cell™ range incorporates all the features required for safe operation by the end-user including overfill protection and are manufactured to the highest standards. TRL Engineering supplies the Fuel-Cell™ tank series fitted with dispensing and fuel management systems for quick and easy installation with minimum site works.

Save money and increase productivity

- Save money through bulk fuel purchases
- Dispense and monitor usage with access for authorised users only and full usage logs
- Increase productivity with optimized refuelling procedures
- Reduce downtime with "On-Demand" 24hr refuelling
- Quick easy installation
- Integrated filtration ensures you are re-using clean fuel and not damaging equipment/vehicles
- Reduce travel and refuelling turnarounds with on-site refuelling
- Low maintenance, user friendly fuel storage and dispensing systems

Quality features standard

TRL integrate an extensive list of quality features as standard across the Fuel-Cell™ range; including VMI overfill valves, 6mm steel, 3 coat polyamine cured epoxy coating and 15 year paint warranty, suitable for both diesel and ULP, hose, lighting and switchboard mounts and safety alarms. (please refer to table right for specific products features). TRL's Fuel-Cell™ can also be customised with dispensing pumps, solar, 12 volt and 240 volt power to suit your specific needs.

Control your fuel with Custom Fuel Management Systems

We provide Custom Fuel Management Systems to suit your needs across the Fuel-Cell™ range. Be in control and dispense and monitor all your fuel usage and levels with USB and remote access and logging for up to 2000 users.



Fuel-Cell™ Bulk Storage

TRL Engineering's Fuel-Cell™ Bulk Storage solutions can be tailor-made to your requirements. Delivered in sizes from 11,000 to 110,000 litres they are ideal for small and large scale refuelling requirements. Fitted with the latest technology custom fuel systems and TRL's range of quality features as standard.



Bulk Storage Easy access to pump bay, man-way and dipping points



Bulk Storage quality fittings installed in pump bay

MODEL NUMBER	SAFE FILL LEVEL (LITRES)	LENGTH x WIDTH x HEIGHT (mm)	WEIGHT KG (EMPTY)	BUND INCLUDED N = BULK TANK
TOS-12	11000	2990 x 2438 x 2896	7900	Yes
TOS-18	17100	2990 x 2438 x 2896	8000	No
TOS-30	28500	6058 x 2438 x 2896	8500	Yes
TOS-38	35000	6058 x 2438 x 2896	14000	No
TOS-68	64500	12,192 x 2438 x 2896	14050	Yes
TOS-75	70688	12,192 x 2438 x 2896	16000	No
TOS-84	81000	13,716 x 2438 x 2896	16800	No
TOS-100	95000	14,038 x 2438 x 3200	17456	No
TOS-110	110000	14,038 x 2438 x 3635	19850	No
TOS-RPB-STD	N/A	1133 x 2438 x 2896	1200	N/A
TOS-SCU-3MT	N/A	2917 x 2150 x 200	1035	N/A



Fuel-Cell™ Portable Fuel Stations

TRL's Fuel-Cell™ Portable Fuelling Stations are available in 3 sizes from 13,000 to 30,000 litres with the latest technology custom fuel systems. Designed to minimize your footprint and maximize storage capacity. Featuring a high level of integrated sophistication into their design and delivery including unmanned fuel stations with card access.



Portable Fuel Station solar setup for off grid use with bowser and electrical box



Portable Fuel Station fuel management system and electrical control box with emergency stop

MODEL NUMBER	SAFE FILL LEVEL LITRES	LENGTH x WIDTH x HEIGHT [mm]	WEIGHT KG [EMPTY]
PFS-13	13000	3812 x 2175 x 2350	3500
PFS-20	20000	5512 x 2237 x 2350	8100
PFS-30	30000	5512 x 2237 x 2350	8400

TRL Fuel-Cell™ Certifications

- AS 1692-2006 Steel tanks for flammable and combustible liquids
- AS 1940-2004 The storage and handling of flammable and combustible liquids
- UL 142 Aboveground Flammable Liquid Tanks

Industry Leading Features as Standard

	Bulk Storage	Portable Fuel Stations
VMI valves	•	•
Fuel type	Bio Diesel, Diesel & ULP	Bio Diesel, Diesel & ULP
Inner/outer steel construction	6mm / 6mm	6mm / 6mm
Fitted with both 3 and 2 inch suction ports	•	•
No pooling with sloping floors	•	•
15 year paint warranty	•	•
Foot valves	•	•
All valves included	•	•
10 inch emergency vents to both primary and secondary	•	•
Hose masts	•	•
Lighting mounts	•	•
Static mounts for working at heights	•	•
Switchboard mounts	•	•
Solar mounts		•
1600 lpm 3 inch fail-safe overfill valve	•	
3 x turbine mounts fitted	•	
Hot dipped galvanized parts on all tanks	•	•
Stainless steel fasteners fitted	•	
Fill pipe fitted with ball-valve, check valve and camloc fittings	•	
Dispenser mounts supplied	•	
3 inch suction pipe with ball valve fitted	•	
Internal room for mounting of control equipment	•	
Electrical mounts fitted to back wall	•	
Cut outs to all sides for optional mounting	•	
Access		
Ladder to front or right hand side	•	optional
700mm man-way for ease of entry	•	
Lockable cabinet	•	
Safety		
Emergency vents fitted as standard	•	•
Audible safety alarm supplied	•	•
Decals supplied as standard	•	•
Earth points to all sides	•	
Static line mounts fitted for working at heights	•	
Fail-safe overfill protection valves prevent filling spills	•	•
Temperature monitoring		•
Controlled operation prevents pump burnout when fuel level gets too low		•
Indicates when product is too high or low		•
Checks monthly for product loss and water ingress		•
All alarms and reports are stored in reconciliation log		•
Custom Fuel Management Systems		
Information is retrieved via USB	•	
Remote access via the internet	•	optional
Fuel tank systems with remote tank level monitoring	•	
Dispensers	Up to 400 LPM	80 LPM standard - up-to 150 LPM
Touch screen tank level monitor		•
Management software and data keys	optional	•
Number of users/vehicles	Up to 2000	Up to 2000
Fitted filter prevents fuel containments	•	•
Pump	•	•
Multiple options etc / submersible pump / different motor / diesel motor / 1 ph or 3ph		
Solar power	optional	optional
Power		12 , 24 & 240 volt
Customer Reconciliation Log		
User and vehicle identification	optional	•
Odometer and engine hours	optional	•
Time of filling and fuel quantity	optional	•

Contact TRL Engineering for an obligation free assessment of your businesses refuelling practises to see where time and resources can be utilised better by installation of your own Fuel-Cell™

Providing solutions for a diverse array of industries

Agri businesses
Aviation facilities
Commercial installations
Defence facilities
Fuel depots
Industrial installations
Marine facilities
Mining infrastructure
Oil & Gas industries
Portable energy services
Service stations
Transport & logistics

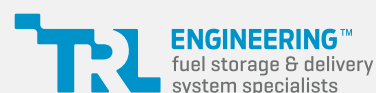


TRL - Fuel System Specialists

TRL Engineering leads the petrochemical industry in creating effective and efficient solutions for bulk fuel storage and delivery systems. Our specialist knowledge, engineering insight and product sophistication has earned us an enviable reputation as problem-solving innovators.

We deliver specialised services in Consultation, Construction and Compliance that save our clients time and money. Underpinning everything we do is an unwavering commitment to the highest safety and compliance standards.

TRL Engineering was formed in 2013 and comprises an experienced team of petroleum industry professionals. Our full spectrum of capabilities in bulk fuel delivery and storage includes design, construction, maintenance and repair.



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