



Competitive Advantages

Trillium Fueling Systems Limitada is positioned to outperform competitors for the following reasons:

“THE TRILLIUM FUELING SYSTEM”

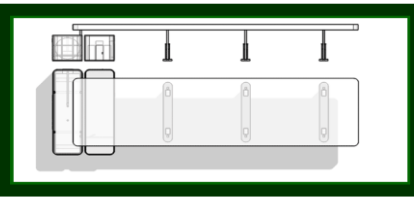
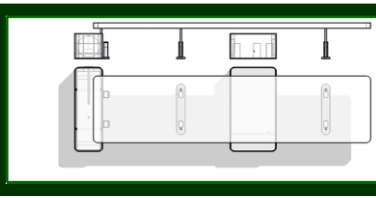
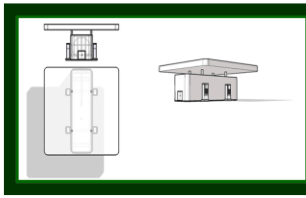
The Patented “**Trillium Fueling System**” is herein explained with its attributes and features that enhance its usage in the Petroleum retail sector and provides a competitive advantage. The features and attributes discussed in the following topics are: - **Fabrication & Installation** – **Environment** - **Safety** – **Design** – **Financial Benefits** - **Conclusion**.

Fabrication & Installation:

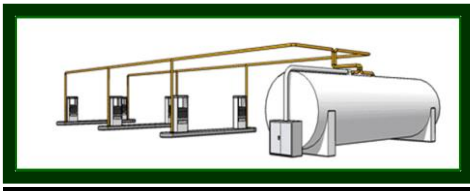
“**The Trillium Fueling System**” was invented by Mr. Philip Peter Andree, a Modular aboveground state-of-the-art service station. Manufacturing in a licensed fabrication plant under ideal conditions, to perform quality craftsmanship rather than construction outside in the inclement elements of nature is a bonus. This invented System is a gasoline station that is installed on the ground and more particularly to a gasoline station having its base with supports extending upwardly to support a full canopy that extends substantially beyond its base on both sides. “**The Trillium Fueling System**” further relates to a method of installing a gasoline station that is pre-constructed in modular form and that because being modular can be expanded in the future. “**The Trillium Fueling System**” is manufactured by our licensed manufacturers that are members of STI (Steel Tank Institute). This feature entitles **Trillium** to manufacture according to the Purchasers specifications within and abiding by the codes of the City, County, State, Province or Country of destination where it is to be installed. Once the modular station is fabricated it is loaded on a ship, at port it is offloaded onto truck transport, when it arrives at site it is installed on a pre-prepared pad by The **Trillium’s** Team within three days and ready for business as a “Turnkey Installation”. One point to mention is because “**The Trillium Fueling System**” is installed on the ground no unknown surprises beneath the ground, rock or water table will occur as to when underground storage tanks are installed. In Earthquake Zone locations, **Trillium** Systems allow pad to move no damage to “**The Trillium Fueling System**”, likewise in areas that flood there will be no spillage of fuel as with underground storage tanks that spill and cause soil, water table, lake and river pollution and contamination.



Trillium's Modular Construction



Trillium's Totally Aboveground



Environment:

Today gasoline stations have underground storage tanks for fuel that are expensive to install and even more expensive to remove, inspect or service for maintenance. In addition underground storage tanks often leak and, despite the use of detection systems, fuel from the underground storage facility tank leaks into the ground. With **“The Trillium Fueling System’s”** aboveground tank if a leak were ever to occur it would be detected on a daily inspection and repaired immediately at a minimal cost. When a leak is detected in underground storage tank, the tank must be removed and replaced at great expense. Any possible leak from an aboveground tank will be detected much more quickly & easier than underground tanks. Furthermore under this rare circumstance, the tank can be repaired or even replaced with little expense compared to replacement of underground storage tanks. Underground storage tanks are located beneath a layer of asphalt or concrete which has to be broken up and disposed of in order to remove the tank. When a new tank is installed underground, the asphalt or concrete is replaced with new material at great expense. Underground tanks can because of leakage affect soil and the water tables causing contamination, and their removal and replacement create many infringements on the Environment with disposal of contaminants, concrete and/or asphalt. **Trillium** is aboveground and is considered a **“GREEN”** installation and Environmentally Friendly.



Safety:

“The Trillium Fueling System” is aboveground and will not pollute the ground. With no pollution and contamination to the underground this provides security and Environmental respect for the land and water table and furthermore eliminates any future lawsuits from neighbours, or Municipality.

“The Trillium Fueling System” is patented with Intellectual Technological Properties that include components that are state of the art. The **Trillium** suppliers for example Steel Tank Institute (STI), Gilbarco Veeder-Root, Encor Halide Lights, etc. are all worldwide companies that adhere to the codes of every Country in the World, and provide excellent warranties and world-wide service and preventative maintenance contracts to equipment and components **Trillium** installs.

The aboveground tank is manufactured under license for **Trillium** and each licensed manufacturer is a member of the Steel Tank Institute (STI). The **“Fireguard Tank”** is constructed under patented rights. Basically it is a tank with the fuel storage tanks suspended within, encapsulated with a unique thermal insulation material 75% lighter than concrete providing

insulation from the exterior tank in hot climates. STI on a visit inspects the fabrication and gives a decal to be applied to the tank with a Serial number. The tank is constructed so as to have no leakage concerning an overflow possibility and also includes a Vapour recovery addition.

Fireguard™ Tank General Info

The new generation of fire-rated storage tanks:

- The first tank of its design to obtain a UL listing for secondary containment
- Secondary containment can be tightness tested on-site with standard testing procedures
- Exterior steel wall provides superior weatherability and low-cost maintenance
- Unique thermal insulating material is 75% lighter than concrete
- Technology is patented under US Patent #5695089 by the Steel Tank Institute
- Is a UL approved core component for the UL2244 system listing



The only tank that meets all of these standards:

- UL 2085 Listed "Protected" tank
- ULC S655 Listed "Protected" tank
- Both the Inner and Outer steel tanks are built to UL/ULC standard
- Uniform Fire Code 2000 Article 79 and Article 79-7
- UL 2244 Aboveground Flammable Liquid Tank System
- National Fire Protection Association (NFPA) 30 & 30A
- International Fire Code (IFC) 2000
- Building Officials and Code Administrators (BOCA) National Fire Prevention Code
- Southern Building Code Congress International (SBCCI) Standard Fire Prevention Code
- State of California Air Resources Board

- Steel Tank Institute (STI) Standard F941 for Thermally Insulated Aboveground Storage Tanks

Compliance

All tanks manufactured by a Fireguard™ Licensee must be built in strict conformance with Fireguard™ Specifications and are to be covered by a limited manufacturer's warranty. This technology is licensed by Steel Tank Institute and incorporates a third-party quality control program and a UL / ULC Listing. To control quality, STI employs a staff of independent third party quality control inspectors making unannounced visits to plants. This inspection service is mandatory for all Licensees. These inspection services assure that tanks are fabricated in strict accordance with the latest edition of the Fireguard™ Specifications. Any tank determined not to conform to this specification must be corrected and re-inspected by the tank manufacturer. STI may inform the Licensee that re-inspection by third party quality control inspectors will be required prior to shipment.

Scope

The Fireguard™ tank specification covers:

a) A method of thermally insulating an aboveground storage tank for the purpose of providing a two hour fire rating. This design utilizes a double wall steel tank with a monolithic insulation placed into the interstice of the tank. Both the primary and the secondary tank are equipped with emergency vents. It also addresses the inspection, testing and installation of these tanks.

b) A tank assembly that has been fully tested by Underwriters Laboratories in accordance with UL2085 and UL Subject 2080 and has two listings: Protected Secondary Containment Aboveground Tanks for Flammable Liquids and Fire Resistant Secondary Containment Tanks for Flammable Liquids.

- c)** An interstitial space has been tested to ensure that
- i. Fluid will flow and be detectable and
 - ii. That the emergency venting will work properly in the event of a pool fire.
- d)** Tank was tested in accordance with NFPA 30A, and UFC Appendix **A-IIF-1**.



"The TRILLIUM FUELING SYSTEM" is manufactured at our licensed manufacturers who are members of STI (Steel Tank Institute).

Definitions:

- **Ballistics Protection:** A method of tank construction in which the tank system has a tested ability to prevent penetration of a bullet into the primary tank. The ballistics test shall require that the tank be shot five times with a 150 grain (9.72 g) M-2 ball ammunition, having a muzzle velocity of 2700 feet per second (823 meters per second), fired from a .30 caliber rifle at a distance of 100 feet (30.5 m).
- **Hose Stream Resistant:** A method of tank construction in which the tank system has a tested ability to prevent leakage of the primary tank or damage to the insulation material when the completed tank assembly is impacted with a stream of water for 2 minutes, as per the UFC test criteria, with the purpose of simulating a fire hose. This test shall be conducted immediately after the furnace test.
- **Impact Protection:** A method of tank construction in which the tank system has a tested ability to prevent leakage of the primary tank if impacted by a vehicle. Testing shall consist of hitting the completed tank assembly with a 12,000 pound (5455 kg) weight moving a 10 M.P.H. (16 kph), 18" (457 mm) off the ground in a one square foot area.
- **Monolithic Insulation:** The insulation material in a Fireguard tank used to minimize heat transfer from the secondary tank to the primary tank. This insulation material is a pourable material consisting of perlite, cement, water and STI ingredient B, or other approved ingredient, all carefully mixed to the correct proportions.
- **Protected Tank:** An aboveground atmospheric tank with secondary containment and an insulation system intended to reduce the heat transferred to the primary tank when the tank is exposed to a hydrocarbon pool fire, and provided with protection from physical damage.
- **Secondary Containment Aboveground Tank:** A primary containment tank is encompassed by a steel secondary tank forming an interstitial (annular) space. This space is capable of being tested or monitored for leakage.
- **Two Hour Fire Rating:** A certified rating that indicates a storage tank system which has the ability to maintain the temperature of the primary tank surface below a specified limit when exposed to a 2-hour fire test.

In addition to safety regulations of the "Fireguard Tank" Trillium at manufacturer's facility provides a frame barricade made from heavy tensile steel, surrounding the tank with an

impact rail. In Canada & USA this impact rail feature has been rated highly by D.O.T. (Department of Transport).

The filling Pumping Station cabinet is fabricated in aluminum to be spark proof, also has a spill basin at bottom which re-circulates back into aboveground storage tank.



- The lighting emplacements all have halide no spark bulbs.

In addition Trillium has option features available for installation on “The Trillium Fueling System”:

- P.O.S. (Point of sale) & Pay at Pump equipment to handle cash, credit cards, carwash facility etc. are state-of-the-art. These components can be ordered to compliment any currency used in the world.
- With the Veeder-Root system (included) the owner or other executives can be equipped with an optional system whereby they can monitor the operation of the station on a computer from their sofa at home, head office or anywhere in the world. It is located in a cabinet fabricated in aluminum to prevent sparks.



- A Video system can be ordered, monitoring dispensers with a fail safe system to shut down whole system for safety in case video is non-functional or blocked.



- A generator can be ordered to provide electricity for “**The Trillium Fueling System**” in outback locations or sites where electricity supplied has interruptions or just for security.
- “**The Trillium Fueling System**” is fabricated and can be adapted for any electrical system in the world be it 50hs or 60hs or 1 – 3 phase.
- Trillium has other options and accessories available: Waste-containers, Air-Pumps etc.

Design

Trillium can design any system retail or commercial client wants and equip same with the components specified to purchasers demand.



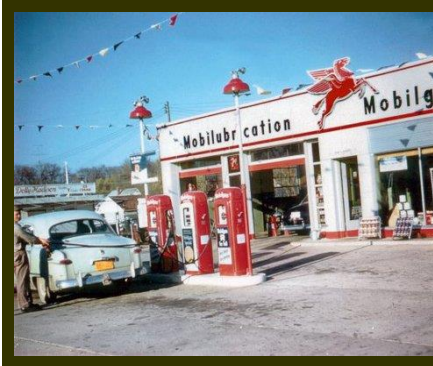
Financial Benefits

- Whereas “**The Trillium Fueling System**” is a stand alone unit with no buried storage tanks, it takes up a small footprint on the land site, enabling usages of the balance of the property for a convenience store, garage, restaurant, car wash etc. This can save money when planning of land needed is designed in layout.

- “**The Trillium Fueling System**” is a modular “movable aboveground station” Banks will finance the investment, whereas they are usually shy and uncomfortable at approving loans for underground storage tank stations. Banks are also worried about future contamination liabilities and responsibilities if they ever have to collect loan, this is a competitive advantage to **Trillium** and its clients.
- “**The Trillium Fueling System**” is environmentally safe, no contamination below ground will occur allowing the **Trillium** client to lease land as the landlord has a comfort zone and land is not depreciated, actually the sites value appreciates. This can save equity investment for the project.
- Because the true idea of having fuels in the tanks aboveground is part of “**The Trillium Fueling System**” and not inventory in the underground storage tanks. Your Inventory in the future is in the “Tanker Truck”. A **Trillium** system tank can be fabricated with up to three interior tanks let us say Regular, Super and Diesel fuel for example. Based on **Trillium’s** experience with the Veeder-Root system you will be advised through sensor records when to order. When the “Tanker Truck” arrives they usually have four compartments so the needed inventory will arrive based on your sales. You save money because you are not investing money in large storage tanks of fuels underground.
- The underground installation of tanks is very expensive; understand that “**The Trillium Fueling System**” is less expensive when compared to the underground installation. Considerable money is saved in the project. When Environments Reports have to be enacted by government requirement, it is advantageous and less expensive for an Inspector to view an aboveground tank rather than inspect and analyze underground storage tanks.
- If in the future The **Trillium** station has to be moved for whatever reason, it can be done in a couple of days and reinstalled to another location complete and ready for business once again. The land will not be contaminated and there is no cost for removal of underground tanks or decontamination clean-up of the site. In this instance money once again is saved.



CONCLUSION: We've Come A Long Way!



"We're Building a Green Station from the Ground Up!"



There's no reason to dig any deeper...



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