

# Fuel, Anywhere.



## Remote Site Division

**SEI**  
INDUSTRIES

# SEI Industries

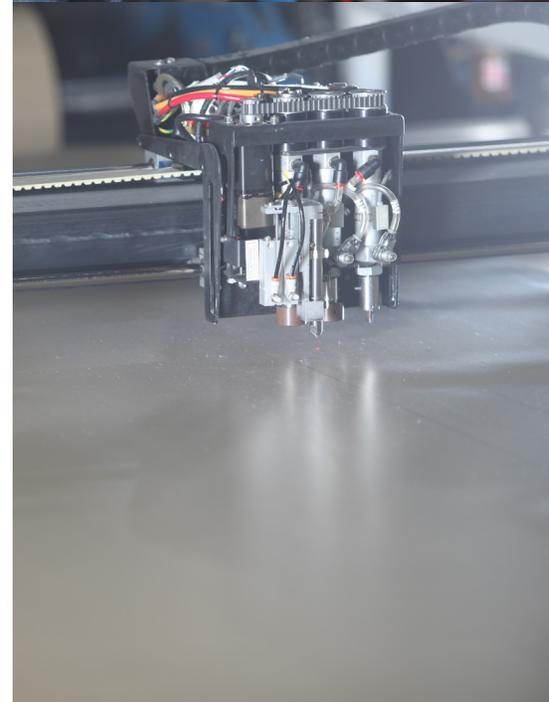
Established in 1978, SEI Industries Ltd is an industrial fabric products manufacturer, best known for its invention of the world-famous Bambi Bucket which is used by helicopters to drop water on forest fires. Today, operating from a full-service 48,000 sq. ft. (4,460 sq. m.) manufacturing facility located in Delta, BC, Canada, SEI supplies more than 45 unique products that serve more than 50 military forces as well as a diversity of commercial enterprises.

Since January 1983, the company has specialized in the design, manufacturing, marketing and commissioning of structural engineered fabric products and related systems to the aviation, remote site logistics supply, environmental, and firefighting industries. Other SEI capabilities include pumping / filtration design and manufacturing, and technical problem-solving involving new-generation, high-strength, lightweight fabrics, and state-of-the-art power generation and liquid transfer systems.

SEI provides service and high quality task-specific products worldwide to oil and mineral exploration companies, over 750 helicopter aviation companies, government agencies, and military in over 105 countries, the United Nations, humanitarian relief agencies, original equipment manufacturers, and Fortune 500 companies.

SEI has cultivated a unique, innovative capability not readily found elsewhere in the world. We excel at designing, engineering and manufacturing products from industrial fabric materials which solve specific problems for our customers. Flexible fabric-based products provide advantages not available with products made of traditional rigid materials.

With an emphasis on customer-driven features such as collapsibility, transportability and quick set-up, SEI industries has found itself at the forefront of product design for a variety of applications related to liquids containment and handling.





# Fuel, Anywhere.

SEI's Remote Site Division designs and builds everything operators need to ensure their project runs smoothly in an isolated location. Among the catalogue of products are tanks for the storage of fuel, water, or other chemicals; tanks to transport bulk fuel; pumps to on-load and off-load fuel; and accessories to ensure that equipment meets the needs of a high-performance remote site operation.

**35**  
years of service

**110**  
countries

**20**  
patents

The products are typically field-tested by users under extreme conditions and, from those outcomes, product lines have evolved to become some of the best in the world.

Compared to traditional rigid products, SEI's industrial fabrics, some of which are proprietary, allows for more cost-effective transportation and set-up. Therefore, companies save money because products can be folded, crated, shipped and unrolled, as required. With fabrics specifically tailored for certain climates, companies and military forces in 110 countries around the world have put SEI products to the test.

In addition to that, SEI's Remote Site Division specializes in developing complete turnkey solutions, centered around its collapsible tanks, by combining them with its other product lines for the transportation and transferring of fuels, water (potable, grey and black) and chemicals.

SEI prides itself in its capability to engineer a system specific to any environment, location and material. All the while, we ensure that vital liquids are readily available for daily operations.



# King Tanks



## Arctic King

The Arctic King collapsible fuel bladder tank is specifically designed for liquid fuel storage in sub-zero climates to  $-50^{\circ}\text{F}$  or  $-46^{\circ}\text{C}$ . Constructed from a proprietary high-durability fabric unique to SEI Industries, this fuel bladder tank has excellent UV and hydrolysis resistance for a longer life expectancy than any other urethane collapsible fabric tank in the arctic. With all these features, plus its one-way vent system to handle deep snowfalls, the Arctic King is ideally suited for even the most extreme arctic conditions.

## Desert King

The Desert King collapsible bladder tank was specifically designed for liquid fuel storage in desert environments. Constructed from a proprietary high-durability fabric unique to SEI Industries, it has excellent UV and high temperature resistance for a longer life expectancy than any other urethane collapsible fabric tank for the desert. The Desert King is ideally suited for even the most challenging desert conditions.

Combining portability and versatility with economy, they are available in a full range of sizes from 250 USG (1,000 L) to 33,000 USG (125,000 L).



## Jungle King

The Jungle King collapsible tank is specifically designed for liquid fuel storage in hot, humid, wet climates. Constructed from a high-durability fabric, using proprietary PetroH2Ohesive™ unique to SEI Industries, the Jungle King has excellent UV and hydrolysis resistance for a longer life expectancy than any other urethane collapsible fabric tank in the jungle.

With its green camouflage color and vent system to handle flash rainfalls, it is ideally suited for even the most extreme jungle conditions.

## Jungle King Gas

The Jungle King Gas collapsible tank is purpose-built for gasoline fuel storage in hot, humid, wet climates. Constructed from a multi-coated, high-durability fabric using SEI's proprietary PetroH2Ohesive™, it has an external coating with excellent UV and hydrolysis resistance and an internal coating, designed specifically for gasoline, that provides a longer life expectancy than any other urethane collapsible fabric tank in the jungle. The Jungle King Gas requires minimal site preparation and saves on transportation costs, thanks to its lighter weight. It also comes with a vent system to handle flash rainfalls.

# Storage Tanks



## Terra Tank

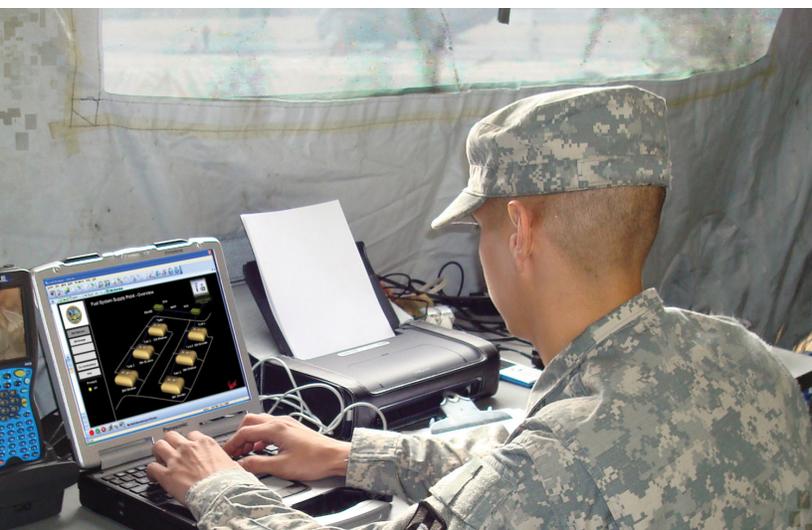
We designed the Terra Tank specifically to store water, chemicals or fuel. This collapsible bladder tank comes in a range of sizes from 250 USG (1,000L) to 50,000 USG (190,000L). You can connect multiple Terra tanks together through a manifold system to create a cost-effective tank farm with unlimited capacity.

We build the Terra Tanks with one of several kinds of fabric, dependent on what liquid you need to store. We use two types of fabric to make Terra Tanks that store water and chemicals: Aqua-Shield™ and Chem-Shield™.

## Onion Tank

Military forces and industry rely on the Onion Tank for the storage of drinking water in remote locations and emergency situations. Capacities range from 264 USG to 3,000 USG. This open-top tank is approved for potable water and is constructed of heavy-duty urethane coated fabric. Complete with a top cover (to prevent evaporation and contamination), the Onion Tank is fully collapsible and easily transportable.

The Onion Tank is available in two different models: standard and with a ZipperTOP.



## SunShade

UV Rays can damage collapsible fabric pillow or bladder tanks and can reduce their lifespan. SunShades reduce UV damage by 80%, significantly extending the service life of the tank. SunShades are ideal for any location where extended periods of sunshine exist. SunShades wrap over the top of the tank and around its fittings, for a perfect fit that hugs the tank.

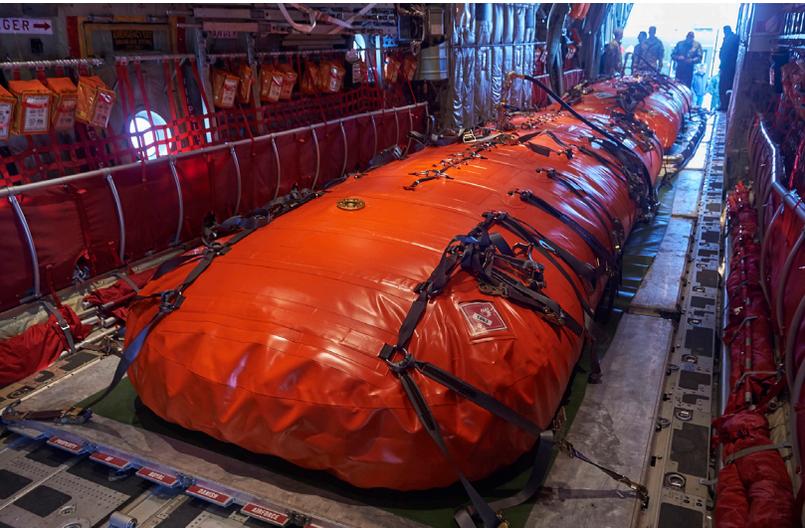
The SunShade is easy to install and can be attached when the tank is empty or full. Because the cover is secured to the tank's handles, it does not blow away in windy conditions.

## Fuel Tank Monitoring

The TacFuels system enables timely and accurate record keeping and provides daily local inventory reconciliation with audit and documentation trails. This innovative technological solution provides reliable and precise digital monitoring, removing the inconsistencies associated with manual measurement.

Using TacFuels data collection units, flow meters and fuel gauges combined with laptop and handheld computers operating TacFuels software, information from any tank can be shared across networks using secure communications.

# Transport Tanks



## BATT

With so many operations located in remote areas with little infrastructure, understandably, fuel supply is a serious business and one of the many reasons why the BATT has quickly become an aviation favorite. The BATT lets remote operators carry bulk fuel in to their sites. After being emptied, the collapsible tank can be rolled up so that other cargo can be hauled back out. This generates substantial savings in fuel hauling costs.

## BATT Gas

The BATT-Gas features the same two-tank design as the original. The inner tank of the BATT Gas is constructed of a fabric designed specifically for use with gas. This ensures that the inner tank does not lose integrity with use.

It also features the patented baffling system that is used in original, tamping down on liquid surges while the tank is in transit, making it easier and safer for handling by aircraft crews.



## Fuel Easy

With its innovative external-frame fabric container, the Fuel-Easy takes much of the risk and guesswork out of fuel hauling. The Fuel-Easy is fully collapsible and offers operators greatly increased fuel hauling capability, easier fuel handling, reduced cost and wastage and the assurance of clean fuel. In use on five continents, this lightweight, flyable fuel container is a convenient and cost-effective alternative to fuel drums.

## Double Drum

The Double Drum tank is a collapsible fuel drum specifically designed to be helicopter-lifted as a slung load.

The Double Drum eliminates empty drums, folds up for quick transport when empty, protects fuel from condensation and is easy to handle. The attachment rings allow it to be tied down as secured cargo in a boat, barge or truck for ground transport. Once on the ground, the tank can also be hand rolled over short distances, making it easy to position on site.

# Pump Systems



## Aviation Fuel Pump Cart

The Aviation Fuel Pump Cart has been designed for superior mobility around unimproved runways at remote airport locations. One person can easily move the pump and its hoses through rough terrain to refill aircraft quickly from a portable fuel tank.

Engineered to fit through a narrow aircraft door opening (such as a Twin Otter), the Aviation Pump Cart can be transported by fixed-wing aircraft as well as laid down and secured to the floor of the aircraft, ensuring that the pump engine will not leak fuel, even if full.



## Aviation Refueling Pump

Our Jet Transfer Pump is available in 100- or 150 GPM models, each transfer pump model is housed on a skid for easy shipping and deployment. Built to withstand tough terrain but still be easy to handle and redeploy, our pumps are ideal for simple fuel transfers between two points or pumping over long distances. Ready-to-ship inventory of these pumps available.

Both models have a diesel engine, with an optional electric start, which is recommended for starting the pump in cold climates.



## Heli-Pump and Slim-Line

In use around the world by military special forces and helicopter operators, the Heli Pump is a complete turnkey electric aviation fuel pumping system in a tiny package. Designed for rapid deployment, the Heli-Pump quickly distributes fuel from almost any source and can be powered by the helicopter's DC system. It offers two-stage filtration, making it ideal for remote site operations. When not in use, the Heli-Pump can be easily packed and stored inside the cargo area of most helicopters. Choose from a variety of models to suit your needs.



## Vehicle Refueling Pumps

Our vehicle refueling pumps provide durable construction and a fully integrated system designed specifically to meet your pumping capacity, filtration and metering needs. With three models to choose from, each pump option is housed on a skid and all models have a welded bottom (with drain) that prevents minor spill and drips. Ready-to-ship inventory of these pumps available.

Available in 30 USGPM (113 LPM), 60 USGPM (227 LPM), and 90 USGPM (340 LPM) models.

# Pump Systems



## HPARS

Originally designed for use by military forces, the High-Pressure Aviation Refueling System (HPARS) is now available for commercial use.

The HPARS is a durable, portable method of fueling and de-fueling jet fuel to and from aircraft and fuel tanker trucks. It uses a self-priming centrifugal pump driven by an electric motor with filtration provided by a horizontal filter separator (per API 1581 5th). It has a maximum flow rate of 198 USG (750 liters) per minute, the system controls fuel flow via a manually operated globe valve while a flow meter measures the amount of fuel delivered.

## AAFARS

The AAFARS includes four Double Drums, a cylindrical-shaped, collapsible double-walled container that consists of an inner drum and an outer drum. The AAFARS can refuel up to four aircraft at the same time and can deliver up to 2,000 USG (7,570 liters) of fuel to the site by land, sea or air. It can also be connected to other fuel sources, if desired.

The AAFARS includes an adapter kit that allows the system to be connected to any source which can be accessed through two-inch, three-inch or four-inch camlock couplings.



## GO-Station

When there's no fuel station for a thousand miles, now you can bring your own! Housed inside ISO containers, SEI Industries' GO-Station fuel modules are capable of providing everything needed to receive and transfer fuel from any bulk fuel storage system.

Compact and portable, the GO-Station can be shipped by land, sea or air. It's designed to withstand remote locations like Canada's high arctic and engineered to be compatible with diesel fuel, jet fuel or lube oils (future models will also allow gas).

## Custom Pumps

We design and assemble self-priming custom pump systems according to individual customer specifications. Complete turnkey systems for remote sites are our specialty with all components engineered and fully integrated to meet your specific requirements for pumping capacity, filtration and metering.

Typical flow rates are 50-250 USGPM (189-946 LPM) with diesel, gasoline or electric-powered models available. Filters and hose assemblies are also available.

# Additions



## Insta-Berm

It is not always possible to build permanent man-made berms on site. Our Insta-Berm provides all of the reliability and none of the commitment. The Insta-Berm is easy to set up. Once deployed, the industrial-strength fabric acts as a barrier between any toxic elements inside it and the environment.

There are two models available:

**L-Rod Berm** which uses L-shaped bars to hold up the fabric walls.

**Frame Berm** which uses more sturdy lengths of steel rods, ideal for use with tank farms or large applications.

## Mini-Berm

Often on-site, there are small items, like a single oil drum or a pumping system, that need their own form of secondary containment. This is where our Mini Berm comes in. Foam walls support the fabric material for a reusable and compact solution. It is designed to hold standard-sized sorbent pads.

An adequate secondary containment set up is a strong requirement. Non-compliance is often subject to strict fines and sanctions. The portable and compact nature of the Mini Berm, which meets EPA regulation 40CFR112.7, makes it incredibly easy for operators to carry out their responsibilities.



## RainDrain

Secondary containment berms need to remain empty of rainwater. If they are full, and there is a spill, they become an ineffective. The RainDrain filter uses gravity to automatically removes rainfall and water collected inside a berm. While doing this, it also holds back hydrocarbons from the environment.

Crucially, it has an automatic shut-off “emergency stop valve” in case of a massive spill. Because of this, the RainDrain is an essential addition for berms, or any other area prone to oil and hydrocarbon spills.

## Spill Monkey

With its patented filter media and unique design, Spill Monkey is the ultimate barrier against oil and hydrocarbon contamination. As a result, it is a reliable guard against environmental damage. It uses gravity to filter diesel fuel, jet fuel, gasoline and transformer oil out of rainwater. The Spill Monkey allows operators to safely drain overflow from containers, water reservoirs and berms.

Featuring an efficient sleek design and smart engineering, Spill Monkey allows for the fast draining of water while providing superior spill capacity. It features an automatic shut off in the event of a massive spill.

