



# Profile Remote Site Division



## SEI INDUSTRIES LTD.

# Remote Site Division Profile

### Key Information

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### About SEI Industries

SEI has cultivated a unique capability not readily found elsewhere in the world by designing, engineering and manufacturing products from innovative industrial fabrics. These fabrics solve specific problems for customers and provide advantages not available with products made from traditional rigid materials.

SEI was incorporated in May, 1978, and, since 1982, the company has focused its expertise on creating solutions most often used by the military and by exploration, utility, industrial, decontamination and humanitarian industries. SEI has a global agent network with two international offices and seven international repair facilities. SEI products are in use in 110 countries around the world.

SEI operates from a full-service 48,000 sq. ft. (4,460 sq. m.) manufacturing facility located in Delta, BC, Canada, which houses an impressive collection of industrial equipment including electronic RF welding equipment for industrial coated fabrics; metal welding, sewing and machining equipment; an in-house fabrics testing laboratory and an 11,000 gallon (50,000 liter) test tank with crane. SEI is ISO 9001:2008 certified and has been ISO certified since 1994.

### Proprietary Fabric Technology

Many remote site products use the latest in manufacturing technology and industrial fabric design. As an example, Arctic-Shield™ fabric was purposely engineered by SEI specifically for above-ground secondary containment of fuels in arctic climates at remote sites.

Arctic-Shield has a high strip tensile and adhesion strength, a low cold crack temp below -50° C and low diffusion rates well below the CCME and ULC requirements. Arctic-Shield fabric was designed for long duration fuel exposure that may occur if a fuel spill were to happen at a remote site that is unmanned for the winter.





## Awards

- IFAI International Outstanding Achievement Award 2012
- IFAI Industrial Products Innovation Award 2012
- CME Innovation Award 2011 x 2 (regional and national)
- BC Export Awards Finalist in 2002, 2003, 2009, 2011
- BC Export Award for Manufactured Products in 2003



## Remote Site Division Overview

The remote site division is primarily focused on the design, engineering and manufacturing of turnkey liquid management systems that include the transportation, storage, transfer and filtration of fuel, water and sewage for remote site camps.

Remote site products are typically field-tested by users under extreme conditions and, from those outcomes, product lines have continued to evolve to become some of the best in the world. In addition, SEI's industrial fabric, some of which is proprietary, allows for easier and more cost-effective transportation and set-up which can help companies save money since products can be folded, crated, shipped and unrolled, as required. On-site installations, support training and field service representatives are also available worldwide.

## Key Products



The Arctic King™ collapsible fuel tank bladder is designed to store fuels in arctic environments. It can be deployed in temperatures as low as -50° C and withstand high levels of ultra-violet (UV). This tank meets Environment Canada's *Technical Requirements for Collapsible Fabric Storage Tanks (Bladders)* published in 2009. Arctic King tanks are lightweight and fully collapsible, offering liquid containment many times larger than their transportable size. Arctic King tanks are made from proprietary materials and are 100% radio frequency welded, seam sealed and pressure tested. Sizes range from 500 USG to 30,000 USG (2000-113,000 L).



The Desert King™ collapsible fuel tank bladder is designed for storage of liquid fuels in high temperatures and high levels of ultra-violet (UV) or for fuels that have a high aromatic content such as jet, diesel or gasoline fuels. The tanks are lightweight and fully collapsible, offering liquid containment many times larger than their transportable size. Desert King tanks are made from proprietary materials and are 100% radio frequency welded, seam sealed and pressure tested. Sizes range from 500 USG to 30,000 USG (2000-113,000 L).



The Jungle King™ collapsible fuel tank bladder is designed for storage of liquid fuels in tropical climates with high temperatures, high levels of ultra-violet (UV) and high humidity. The tanks are lightweight and fully collapsible, offering liquid containment many times larger than their transportable size. Jungle King tanks are made from proprietary materials and are 100% radio frequency welded, seams sealed and pressure tested. Sizes range from 500 USG to 30,000 USG (2000-113,000 L).





### **Terra Tank®**

Terra Tanks are tough, durable bladder tanks used for stationary storage of potable water, grey water, black water or other liquids. These tanks are typically deployed by industrial and military customers whose operations require portable, high-volume, collapsible ground storage capabilities in remote areas.

### **Insta-Berm™**

Made of industrial-strength fabric, the Insta-Berm is a durable and easy-to-install environmental safeguard that allows companies to meet today's strict guidelines. It comes in two styles; one with frame support and one L-rod support. Designed as secondary containment under collapsible fuel tanks, the Insta-Berm may also be used to store toxic materials.

### **RainDrain™**

The RainDrain uses gravity to filter hydrocarbons out of rainwater, allowing operators to safely drain rainwater from their berms. With its go-no-go filter, the RainDrain will automatically shut off when it is full. Featuring rugged construction and an easy-to-use filter cartridge replacement, the RainDrain is an essential addition for all berms. This product meets EPA Regulation 40CFR112.7

### **BATT™**

SEI's new Bulk Aviation Transport Tank (BATT) is the world's first collapsible, double-walled, aviation specific, baffled transportation fabric tank that allows users to safely transport bulk fuel to remote sites via aircraft. Each BATT is customized to fit the interior of the client's aircraft choice, allowing users to maximize the craft's load-carrying capacity.

Currently, the DC-3, MIL-17 and Cessna Caravan models are available with the Twin Otter model coming soon. Future sizes include models for the DC-6, Sikorsky S-61, Bell 412 and C-130 Hercules aircraft.

### **FRAC Tank™**

Designed specifically for the petroleum industry, the FRAC tank is used for storing large volumes of water, needed in hydraulic fracturing. The FRAC tank is easy to set-up and can be used immediately with almost no site preparation required. The lightweight tanks are fully collapsible, offering liquid containment capacity many times larger than their transportable size.

The FRAC tank can be manufactured in a range of sizes including custom capacities. The standard model size is 190 cubic meters or 50,000 US gallons.

### **Double Drum Tank™**

The Double Drum tank is designed to transport fuel by helicopter to remote locations or, by using its attachment rings, it can be secured as cargo in a boat, barge or truck for ground transport. Once on the ground, the tank can be hand-rolled over short distances, making it easy to position at the site.

The Double Drum tank's unique double-walled design provides abrasion resistance and built-in secondary containment. It's an ideal replacement for metal drums, folds up for quick transport when empty, protects fuel from condensation and is easy to handle.



### **Heli-Pump™**

Designed for military special forces and helicopter operators, SEI's Heli-Pump line offers a complete turnkey electric aviation fuel pumping system in a tiny package. When not in use, the Heli-Pump can be easily packed and stored. Ideal for remote site operations, it fits inside the cargo area of most helicopters. Flow rates of 10-20 USGPM (37-76 LPM) are typical. AC and DC models available.

### **Fuel-Easy®**

In use on five continents, this fully collapsible, lightweight, flyable fuel container for helicopters is a convenient and cost-effective alternative to fuel drums. The Fuel-Easy conforms to Transport Canada transportation of dangerous goods Part 12, Section 12.9, Paragraph 5(c).

### **Onion Tank™**

Militaries rely on the fully collapsible and transportable Onion Tank for storage of potable drinking water in remote locations. The Onion Tank is constructed of heavy duty urethane coated fabric which comes complete with a top cover and combined carrying bag/ground sheet.

### **Custom Fuel Transfer Systems**

SEI custom designs and assembles self-priming fuel pump systems according to customer specifications. Filters and hose assemblies are also available. Typical flow rates are 50-250 USGPM (189-946 LPM) with diesel, gasoline or electric-powered models available.

### **Transformer Conservator Membrane (TCM Air-Cell)™**

The TCM Air-Cell acts as a barrier to separate undesirable elements in the atmosphere from transformer oil within a conservator. Designed specifically for the electrical transformer industry, each TCM Air-Cell is custom fabricated for the individual customer's needs.

### **Customers**

SEI's customer base includes oil and mineral exploration companies, aviation companies, government agencies, military forces in more than 50 countries, the United Nations, relief agencies, original equipment manufacturers and Fortune 500 companies. Some examples include:

#### **USA**

Conoco Inc.  
Sandell Aviation Inc.  
Amoco, Mobil Oil  
Chevron Overseas Intl.  
Shell Oil Co.  
Exxon  
Western Geophysical

#### **Canada**

Agnico-Eagle  
Canadian Helicopters  
Petro-Canada  
Nexen Gas  
Baffinland Iron Ore  
Bema Gold (Kinross)  
Atco  
SNC-Lavalin

#### **Foreign**

Repsol  
BHP  
InterOil  
CGGVertias  
BP Oil

#### **Government, Military and Paramilitary**

U.S. Marine Corps, U.S. Army, U.S. Navy and  
U.S. Air Force  
U.S. Forest Service  
U.S. National Guard  
Ministry Of Natural Resources  
Canadian Coast Guard  
Department of National Defence  
Ministry of Defence: Colombia, Brazil, Poland,  
Bahrain, Turkey, Malaysia, Taiwan, United Arab  
Emirates, Egypt, Japan