

# Solutions for REMOTE SITE LIQUID LOGISTICS

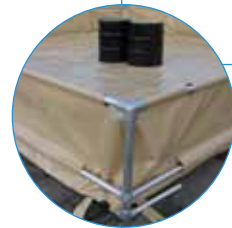
SEI Industries Ltd. provides turnkey liquid logistics systems for fuel, water and chemicals. We also offer solutions for liquid transfer, metering, filtration, bulk storage, transportation and secondary containment in remote locations.

Our products are ideal for exploration camps; they're rapidly deployable, lightweight and portable. We specialize in equipment for all extreme climates including desert, arctic and jungle conditions.



## ARCTIC KING™ COLLAPSIBLE FABRIC TANK

The Arctic King™ is a durable bladder tank designed for temporary storage of fuels in arctic conditions. It is part of the King Series – a trio of tanks ideal for use in the most extreme climates on earth. These flexible, portable tanks provide a bulk storage solution for remote areas.



## FRAME SUPPORTED INSTA-BERM™

The portable and rapidly deployable Insta-Berm™ comes in a variety of styles and is used for secondary containment of hazardous materials. Collapsible static and drive-over models provide complete site protection with little site preparation and can be removed instantly with minimal environmental disturbance.



## RAINDRAIN™

The RainDrain™ ensures that your Insta-Berm™ is always ready to contain large spills of hazardous materials by permitting continuous, unmanned gravity drainage of rain water from fuel containment berms. The unit's filter will trap hydrocarbons and shut down automatically when it is full. The RainDrain's easily removable cartridges can be safely incinerated.



## PUMPING SYSTEMS

Our complete turnkey portable pumping systems are custom designed and assembled according to customer requirements. These self-priming units are available in diesel, electric or gas-line powered models. Filtration, metering and hose management systems are optional.



## FUEL EASY™

The Fuel Easy™ makes transporting fuels by helicopter smooth and straightforward. This innovative, external-frame fabric fuel container takes the risk and guesswork out of fuel-hauling. Increase your capacity and cut costs with this lightweight and aerodynamic unit. Count on the Fuel Easy™ anywhere fuel is needed.



# Baffin Island Case Study: TURNKEY REMOTE SITE FUEL TANK FARM

With a reputation based on safety and cost-effectiveness, SEI's products have been used by corporations, governments and military forces in more than 100 countries around the world. SEI Industries is an ISO 9001:2008 certified company that consistently engineers its products to ensure the highest levels of quality. We provide complete solutions that fuel business, no matter what the climate, location or challenge.

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SEI Industries Ltd. designs, manufactures and deploys

# some of the largest collapsible fuel tank farms in the world.

Take a look at what we did for one customer.

**Project:** 10-million litre fuel system  
**Location:** Baffin Island, Nunavut, Canada

Baffinland Iron Ore Mines required a complete fuel transfer, metering, filtering, pumping and storage solution to expand its Baffin Island mining operations. Turning to SEI Industries to provide a turnkey answer in a challenging work environment, the resulting Baffinland fuel farm consisted of two sites – Milne Inlet and Mary River. In total, 90 Arctic King™ tanks were installed at these sites with each tank capable of holding 30,000 US gallons or 113530 L of fuel. In addition, a variety of fuel handling systems were designed to accomplish all other tasks associated with fuel transfer, filtration and metering. An SEI-designed secondary containment berm with oil/water separator was also used to meet environmental regulations. This massive tank farm was successfully deployed and filled in three weeks during the summer.



Isolated, barren and beautiful. This arctic mining site needed a fuel storage solution that could withstand the worst nature could throw at it. Like all operations, this site needed fuel but the nearest gas station was 1,000 miles away.



SEI Industries designed a customized fuel system that could face a number of challenges and in just three weeks, it was deployed and filled. The entire system was transported in 20-foot ISO containers. Here, the manifolds system is complete and is waiting to be connected to tanks.



SEI's field service representatives oversaw the installation and trained employees from local service providers to provide maintenance for its products on-site.



In total, 90 Arctic King™ tanks were installed at two sites. As crates arrived, they were opened and unloaded.



Using 6-8 personnel, unfolding an Arctic King™ tank can be accomplished quickly and easily. Very little training is required, especially once the team experiences the set-up of the first tank. With a team leader in charge, straps are removed and the Arctic King™ tank is soon deployed into its new location.



Once a tank is unfolded, it can easily be unrolled by the team.



Personnel can now ready the tanks for filling by installing fill/drain valves to isolate individual tanks in the farm. Specialized arctic vents prevent overfilling.



Using an SEI-engineered system, the tanks are filled with fuel through an innovative network of manifolds and pumps. Tanks can be isolated into groups of four or filled individually, if required.



In the arctic, fuel often arrives by barge, which remains anchored offshore. A floating hose from the barge to shore allows fuel to flow to shore and then through a pipeline.



A robust pumping/filtering equipment ensures fuel is clean before the fuel reaches the Arctic King™ tanks.



The addition of more SEI-engineered equipment allows for easy fuel handling on-shore. The system's light duty vehicle refueling pumps allows operators to fuel vehicles just like any service station.



Portable fuel transfer trailers like this one enable bulk fuel transfer into tanker trucks for delivery throughout the mine.



By combining dependable technology with engineering excellence, this mining operation now has its own sophisticated gas station at the top of the world. Shown here is a bulk drum refueling skid for fuel transfer in remote locations.



A number of aircraft refueling pumps are used to provide aircraft fuel on the airstrip. All fuel is filtered and metered to API standards for aviation.



Remote equipment can receive fuel from transportable helicopter fuel tanks such as the SEI Industries Fuel Easy™.