



CANADYNE
TECHNOLOGIES INC.

Oil Spill Response
Equipment and Services

Technology
for a cleaner tomorrow

Quality Engineered Oil Spill Equipment at Exceptional Value

Since its inception in the 1990's, and backed by more than 30 years of progressive experience in marine pollution containment and recovery, Canadyne Technologies Inc. has grown into the largest spill response equipment manufacturer in Canada, and one of the world's premier suppliers of cost-effective and reliable pollution control equipment solutions.

Your investment in our equipment offers major benefits including:

- » Engineered products and solutions customized by experienced staff, designed to meet your specific needs
- » High quality, proven products, tested to exceed industry standards
- » Short lead times since most products are designed and manufactured in-house and shipped direct from Canadyne's large production facility
- » Reduced capital equipment costs as Canadyne is the actual manufacturer of the equipment
- » Access to a large inventory of products, available for immediate dispatch in the event of an emergency

From its headquarters in Richmond, British Columbia, Canada, Canadyne's staff and its extensive network of qualified sales representatives around the world remain focused on building new and maintaining existing strategic customer relationships while ensuring our products and service continue to exceed our clients' expectations.

Canadyne Technologies has been a trusted and prime supplier to many of the world's major marine oil spills, including supplying to the Deepwater Horizon spill in the Gulf of Mexico in 2010.



Projects & Clients

Canadyne's equipment can be found protecting the environment in all corners of the world across a wide spectrum of industries in sectors including environmental, oil and gas, energy, transportation, government, oil spill response organizations, port and harbour authorities, and many others.

We are proud to have worked together with selected key clients to assist with their emergency preparedness requirements.

North America

- BP
- British Columbia Ferries
- British Columbia Hydro
- Canadian and U.S. Coast Guard
- Canadian Department of National Defence (DND)
- Canadian National Railway (CN) and Canadian Pacific Railway (CP)
- Chevron
- Clean Harbors
- CNRL
- Eastern Canada Response Corp (ECRC)
- Enbridge Pipelines
- Husky Energy
- Imperial Oil Ltd.
- Kinder Morgan
- Mackenzie Delta Spill Response Corp. (MDSRC)
- Suncor Energy / Petro Canada
- Terasen Gas
- Total
- TransCanada Pipeline
- Vancouver Pile Driving
- Western Canada Marine Response Corporation (WCMRC)

International

- Australian Maritime Safety Authority
- Autoridad del Canal de Panamá (Panama Canal Authority)
- Chennai Petroleum Corp. Ltd (India)
- Chinese Petroleum Corp. (Taiwan)
- EcoPetro S.A. (Colombia)
- Exxon Mobil
- InterOil (Papua New Guinea)
- Korea Marine Pollution Response Corp.
- Marina de Guerra del Perú (Peruvian Navy)
- National Power Corp. (Philippines)
- PEMEX (Mexico)
- PetroEcuador
- Qatar Petroleum
- Royal Dutch Shell
- Shell
- Vietnam National Petroleum Corp.

Foam Flotation Booms

As Canada's largest producer of containment booms, we have extensive experience in the design and manufacture of these products, and we're continually incorporating feedback from clients to improve the products' quality and performance.

Our containment booms are designed and engineered in-house, and we have developed internal systems to ensure all of our manufactured booms are of the highest quality, and exceed industry standards.

Ideal for use in streams, canals, harbors and protected waters, rivers, inland waters, coastal and nearshore ocean environments.

ContractorBooms and RiverBooms

The Canadyne **ContractorBoom** is a versatile, economical, general purpose boom designed for use in many different spill response applications. The boom incorporates cylindrical foam flotation (solid buoyancy) that is cost effective and offers high performance, reliability, and durability.

RiverBooms incorporate all of the features of ContractorBooms, but have an added upper tension member (usually webbing or cable) for maximum strength and stability in flowing waters, and a double layer chain pocket for added abrasion resistance.

Innovations Pioneered by Canadyne



Boltless connector attachment system for ASTM Z connector (even stress distribution across connector, easier field replacement of damaged connectors)



Water egress system (ensures trapped water can freely drain out of the boom after use)



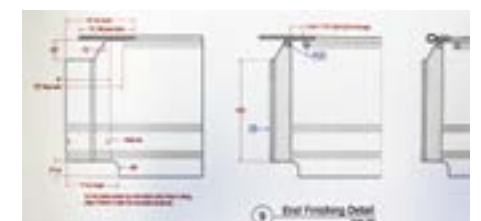
Smooth exterior profile due to internal float retention system (eliminates eddies in moving water)



Customization of booms (example - box and cross web handles, different colour web handles to denote anchor point location)



Part number and unique serial number on every boom, including date of manufacture (for inventory / quality control purposes)



CAD/CAM design and manufacturing capabilities

PermaBoom

The **PermaBoom** is a rugged solid buoyancy boom used for permanent installation or long-term oil/debris containment. Buoyancy is provided by heavy duty rotary-molded polyethylene floats (100% sealed), filled with closed cell polyurethane foam. These floats are bolted in pairs to a heavy duty PVC belting membrane, complete with UV protection and marine growth inhibitors.



FenceBoom

Canadyne **FenceBooms** are lightweight, economical, rectangular foam filled response booms. These durable booms have a flat profile which lends itself to compact storage and ease of handling and deployment. Ideal for use in more sheltered waters such as ports, harbours, terminals and inland waters.



Pressure Inflatable Booms

Canadyne manufactures a variety of inflatable booms for coastal and offshore waters. All booms are available in a wide range of sizes, and constructed from a variety of fabrics from heavy duty PVC 's to abrasion resistant Polyurethanes (PUS's). All booms are compact and easy to deploy, have high buoyancy to weight ratios, and have excellent wave conformance capabilities. Often, these booms are supplied as part of a complete system and include a hydraulic driven storage and deployment reel, hydraulic powerpack, inflation blowers and related accessories.

AirBoom SC (Single Chamber)

AirBoom MP (Multi Point)

AirBoom SCS (Single Chamber, Solid Float)



Rapid Deployment Booms

Canadyne manufactures specialty booms which are designed for rapid emergency response.

AirBoom SP (Single Point Inflatable) is a rapid deployment boom suitable for a wide range of marine environments. As the pre-connected boom sections are deployed from the reel, the entire boom can be inflated from a single air source. The boom chambers are compartmented internally which ensure that damage or puncture to one boom chamber will not affect adjacent chambers.

FlashBoom is a self-inflatable boom ideally suited for emergency response operations. FlashBoom deployment is rapid and fully automatic, requiring no inflators or mechanical devices for deployment or use. Extremely compact storage volume for use where space is at a premium.

Skimmer Range: MultiSkimmer System

The Canadyne **MultiSkimmer** is a selective 3 in 1 oleophilic oil skimmer that achieves an extremely high ratio of recovered oil in relation to water. The unit can be fitted with a rotating brush, drum, or disk unit – all modules are easily interchanged to enable recovery of a complete range of oils and viscosities from diesels and kerosenes up to heavier crudes.

FEATURES AND BENEFITS

- » Choice of Disk, Drum or Brush type skimming modules to suit wide variety of oils and conditions
- » Modular design minimizes cost and allows for optimum skimming of a variety of products.
- » Stand alone or on-board pump (detachable) for effective pumping of viscous fluids and maximum versatility.
- » Rugged all aluminum construction, powder coated for high visibility.
- » Various sizes and capacities available.
- » Hydraulically driven with choice of diesel, gasoline or electric power packs.



Boom Reels

The Canadyne **BoomReel** is used for the storage, transportation and deployment of reelable booms. Hydraulic drive permits deployment and recovery of oil booms without intense manual labor.

FEATURES AND BENEFITS

- » Custom built, available in a wide range of sizes.
- » Rugged, welded marine grade aluminum construction.
- » Heavy duty direct-drive hydraulic drive system.
- » Controls (reel speed and direction, emergency bypass) can be reel mounted, or located on separate power unit.
- » Solid end flanges for safe operation.
- » Available with diesel, gasoline or electric power packs.

Power Packs

The Canadyne **PowerPack** is a self-contained hydraulic power unit used to drive Canadyne skimmers, boom reels and other spill response equipment.

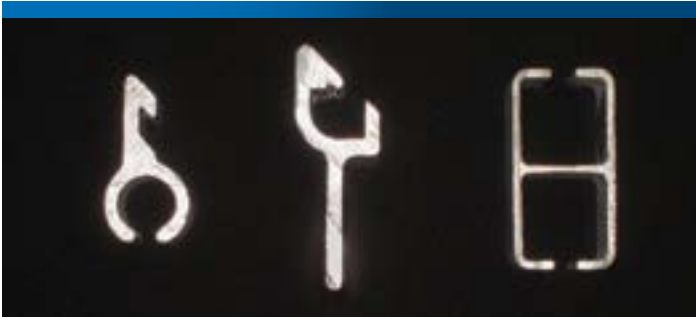
FEATURES AND BENEFITS

- » Available in a wide range of power options—diesel, electric, gas.
- » Various sizes available to power all types of equipment.
- » Single or dual controls. Quick connection fittings.
- » Rugged, welded aluminum construction.
- » Heavy duty rubber tires and folding handles for ease of movement and compact storage.
- » Fabricated components powder coated international orange.

Additional Products and Services



Aluminum Boom Storage Container



ASTM-Z, ASTM-Universal and Shotgun connectors



Foam Side Wall (FSW) Berm



PortaTank



Basic Anchor Assembly



Diesel Diaphragm Pump



ShoreBarrier Boom



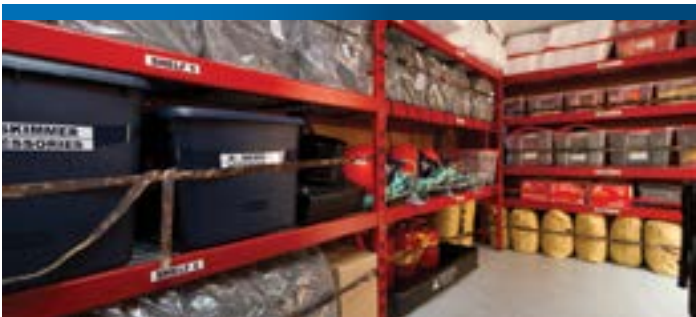
SiltCurtain



Foldable Frame Tank (Closed)



Foldable Frame Tank (Open)



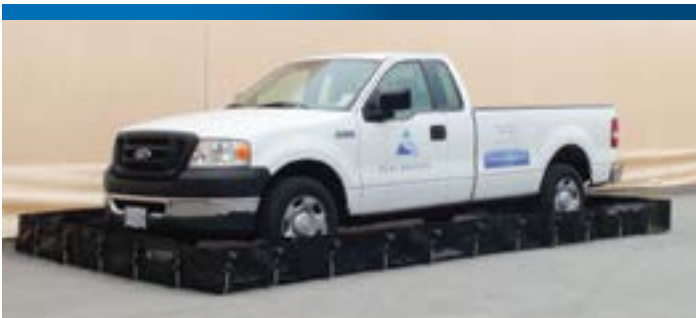
Spill Response Trailer (Interior)



Spill Response Trailer



Hydraulic Transfer Pump




L-Rod Style Berm



Spill Response Training



Towing Bridle



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