

REDEFINING WATER SPILL CONTAINMENT

XBOOM
Made In Canada

AN INNOVATIVE SOLUTION

XBOOM is a Patent Pending technology comprising of supported polypropylene mesh filters which are capable of separating water and oil and withstanding forces of the surrounding wind and waves durably. The XBOOM filters large and small floating objects, bitumen and crude oil, and other water-borne debris. This versatile technology is an effective hydrocarbon spill containment tool on rivers, lakes or oceans; amidst wind and water currents; diverting, redirecting and ultimately containing the effluent in preparation for skimming and recovery. In a world thirsty for fossil-fuel-based energy, proactive measures can be taken to effectively contain accidental oil spills and transfer them safely to on-site collection systems.

FEATURES AND ECONOMIC BENEFITS

Our unique barrier system offers the following features:

- Can hold out up to 99.6% of crude oil while allowing water to flow through
- Can be rapidly deployed in any body of water, including oceans, lakes and settling ponds to effectively contain oil spills and protect against negative environmental impacts.
- Can easily launched a 50 ft. reel and have it upright in under 10 seconds and ready for towing 100 ft. in a few minutes.
- Can redirect river, lake and harbor debris and effluents such as algae and silt
- Can handle higher flow rates of water up to two knots
- Lower manpower and operational cost
- Product can be reused multiple times
- Mitigate potential fines from government and regulatory bodies

CASE STUDIES

- *Duke Energy, Concord- Security and Effluent River Control Barrier, North Carolina, U.S.A.*
- *James Smith Cree Nation – Husky Energy Oil Spill, Saskatchewan, Canada*
- *ITU World Triathlon, Edmonton, Canada*

VARIETY OF USES FOR XBOOM

- Oil spill systems
- Emergency recovery systems
- Environment recovery systems
- Seaport Cleaning
- River (Fresh Water) Cleaning
- Special use (Military Defense-Sea)
- Capturing and Recovery of Crude oil in Tailing Ponds
- Construction Silt Containment
- Algae Containment
- Pulp and Paper industry
- Mining releases

SECTORS SERVED

- Oil and Gas
- Mining
- Marine
- Military
- Industrial
- Transportation

XBOOM VS EXISTING BOOM

Traditional booms (such as dispersants and towable bags) do not control or contain oil on water because they are susceptible to failure from winds, waves and currents as low as 0.5 knots.

XBOOM



Compact and easy to ship



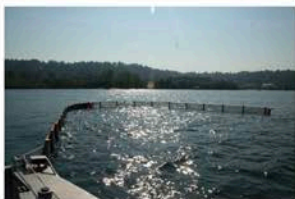
Ready to deploy



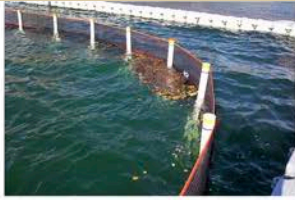
Quick launch features



Ready for deployment in minutes



Stable in winds and waves



Contains all kinds of effluent



Instant containment

EXISTING BOOM



Hard to clean and remove



Multiple workers to launch



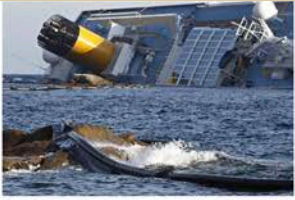
Multiple workers to inflate and launch



Bulky and hard to manoeuvre



Twists very easily



Affected by winds and waves



Erratic containment



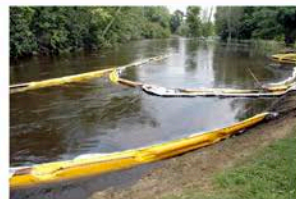
Stable containment



Hard to control



ASTECH award winning results for containment of 94-99.6% of crude oil.



Legacy Boom shows full undertow of oil and water

AWARDS



Selected to represent Alberta Innovates on a Trade Mission to Finland



XBOOM – 2014
Outstanding Achievement in Environmental Technology and Innovation Sponsored by

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