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PROTECTING THE WORLD’S MOST PRECIOUS RESOURCE

RBS TRITON – CFSH™

Oil Sheen Recovery System

Introducing the CFSH™ System – Oil Sheen Recovery.

Aqua-Guard’s new Carbon Fibre Super-Hydrophobic (CFSH™) Recovery System delivers a groundbreaking leap in marine oil spill response—mechanically recovering ultra-thin sheens (<50 microns) where other methods fail.

Key Features
Superhydrophobic & Ultra-Oleophilic Drum
Attracts and captures micro-thin oil sheens
Achieves near 100% oil-to-water separation

Flow Induction Technology
Draws in low surface tension oils
Functions like a self-mobilizing skimmer in fast or stagnant water

Modular, Retrofit-Ready Design
Compatible with existing RBS TRITON™ skimmer heads
Integrates into response vessels and portable units

Validated Performance
Real-world deployment: False Creek, Vancouver (Oct 2024)
DNV-witnessed ASTM F631-15 results: 99.993% efficiency

Environmental Benefits
Replaces single-use melt-blown polypropylene sorbents
Eliminates microplastic and hazardous waste streams
Built for long service life: 10–15+ years

Operational Advantages
No tools required for setup or maintenance
Lightweight, one-person deployable systems
Optional add-ons:
Floating umbilical hose (with internal power + oil discharge)
Remote-controlled thrusters for precision maneuvering

Proven Across Environments
Oceans, rivers, lakes, and coastal zones
Cold, warm, salt, and fresh water
Designed to perform in all Canadian and global conditions.

Made in Canada. Built for the world.
The CFSH™ system bridges a critical environmental gap—backed by Natural Resources Canada and winner of the *Oil Spill Response Challenge*.

