

# The cavalry has arrived!

*When disaster strikes, DESMI oil spill equipment saves the day*

On October 5, 2011, a cargo ship carrying 1,368 containers struck a reef in New Zealand's Bay of Plenty. *Rena* caused the biggest environmental disaster in the country's history, spilling over 360 tons of oil into the sea, killing over 2,000 sea birds, and affecting the habitat of sea lions, plants, and penguins. When disasters of this magnitude strike, rescue operations rely on smart solutions. This is where DESMI Ro-clean A/S (DESMI) can come to the rescue with a vast array of oil skimmers, booms, pumps, power packs, storage tanks, and much more.

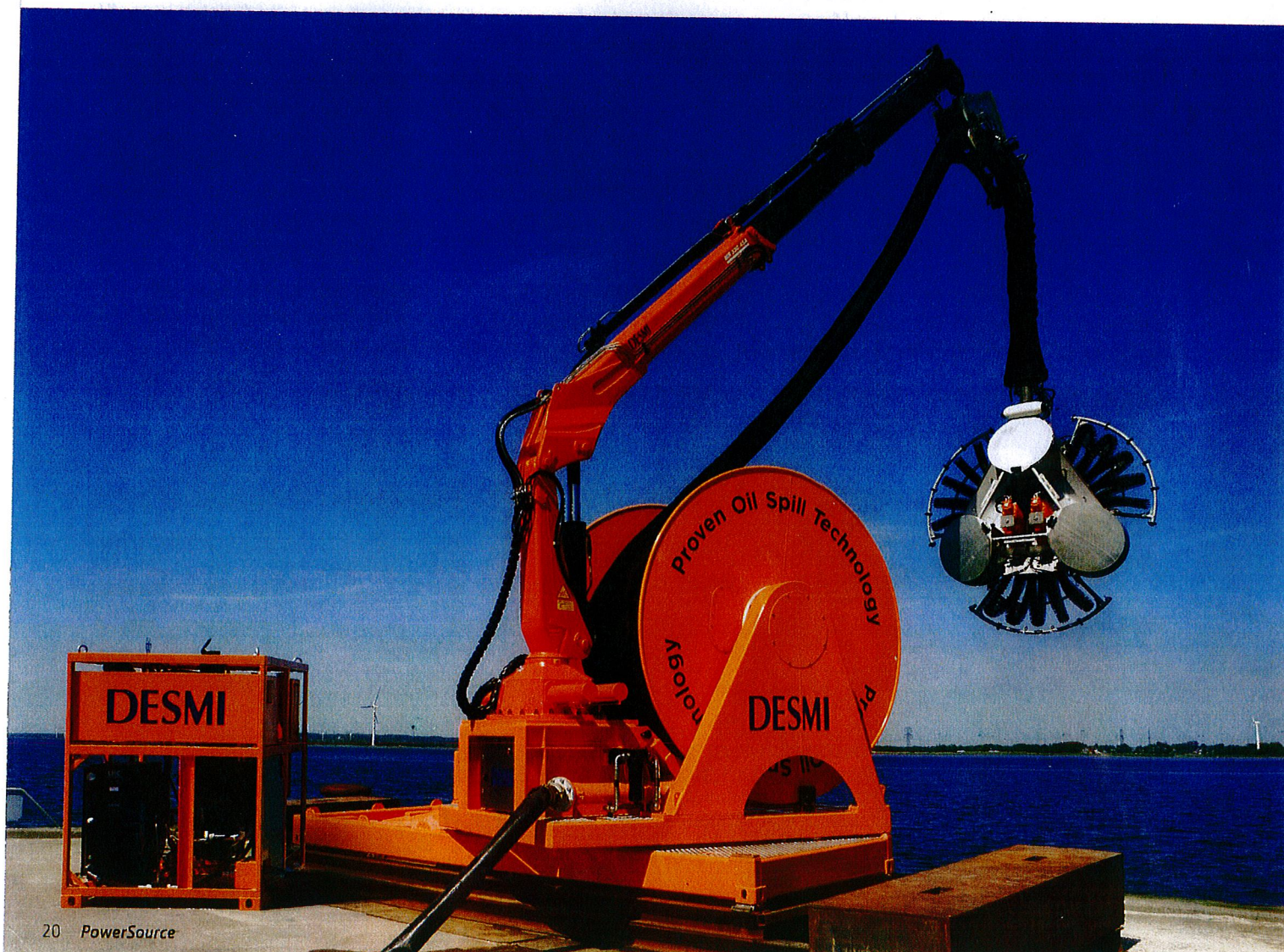
The increasing number of oil spill disasters has highlighted the need for reliable and proven oil recovery equipment — to recover costly oil and protect unique and vulnerable marine life. For DESMI, this has meant a greater demand for their wide range of oil recovery systems including in-situ burning (ISB) equipment.

**Equipment systems for any eventuality.** An environmentally responsible way to respond to oil spills is to deploy a containment boom that restricts

the oil from spreading, concentrating it into an area so it can be recovered. DESMI's boom installations range from small, lightweight models to larger, robust units for extreme offshore applications.

Once the oil has been contained, the rescue team can skim as much oil from the water as possible. Here again, DESMI offers a variety of skimmers in capacities from 2 to 400 cubic meters (70 to 14,125 cubic feet) per hour. The range includes the most popular type of skimmers on the market using weir, oleophilic, vacuum, and mechanical-belt technologies.

DESMI's Launch And Recovery System (LARS) Crane with umbilical hose wheel launches a DESMI Giant Octopus skimmer.





Some of the more unusual designs include DESMI's DBD type skimmers, offering customers total flexibility with one floating body that can use disc, brush, or drum banks in the same skimmer. Another, the Mop-Rope skimmer, also offers flexibility and can have a very large area of influence. With this proven technology and high performance, the Mop is ideal in narrow or confined spaces often found in harbors and industrial applications.

### Ready for action, any place, any time.

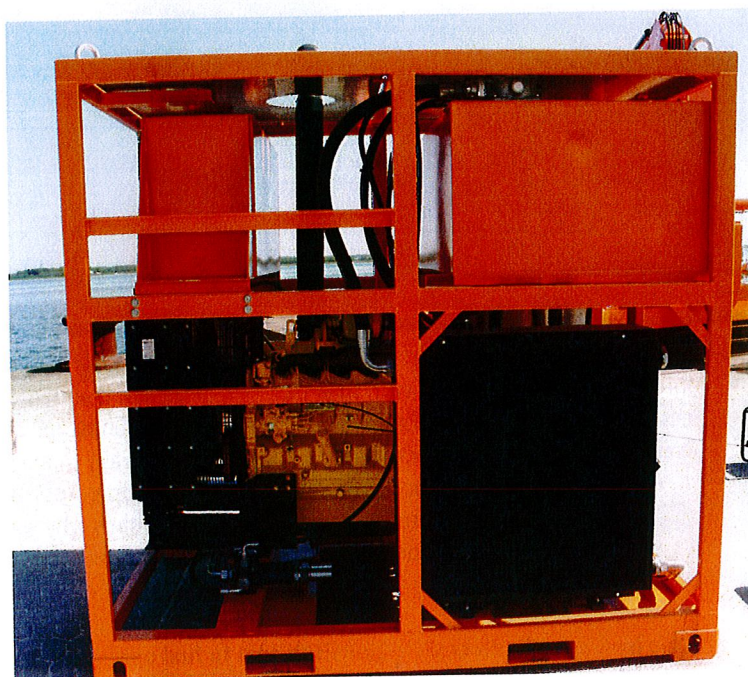
DESMI often uses a PowerTech 6.8L engine as main power source for its hydraulic oil skimmers, pumps, thrusters, and other hydraulic solutions. "Reliability anytime at any location is of utmost importance to our customers," comments Rune Fabek Kristensen, design engineer at DESMI Ro-Clean. "Fortunately, oil-spill accidents don't happen on a regular basis, but it does mean our equipment stands idle for a while and at short notice must be up and running. The 6.8L has proven its reliability to perform even after a longer break."

John Deere engine distributor West Diesel Engineering A/S in Denmark is a worthy engine partner. "They give us quick follow-up on our questions, a ready supply of technical information, and drawings, including 3-D files. And it's great to know John Deere in-field service really works worldwide. It helps us market and service our products with confidence around the world!"



The 183-kW (245 hp) 6.8L engine drives two hydraulic piston pumps with a maximum hydraulic flow of 400 liters (106 gallons) per minute and a pressure of up to 210 bar.

This power pack was delivered to Oil Spill Response Ltd. in Southampton, United Kingdom. It includes a 127-kW (170 hp) PowerTech 6.8L engine and two GRR090C hydraulic piston pumps that provide the motive force to the Giant Octopus skimmer, thrusters, pumps, and a Hiab crane.



Emissions Cert.	Tier 1/Stage I	Non-certified
Engine Model	PowerTech 6068TF150	PowerTech 6068HF258*
Displacement	6.8L	6.8L
Rated Power	127 kW (170 hp) @ 2500 rpm	183 kW (245 hp) @ 1500 rpm
Cylinders	6	6
Aspiration	Turbocharged	Air-to-air aftercooled
Distributor	West Diesel Engineering A/S Esbjerg, Denmark +45 76114162 rs@westdiesel.dk www.westdiesel.dk	

\*Generator set power unit (GSPU) only. Not available as bare engine. A GSPU is a John Deere factory-built gen-set power unit, based on a bare engine with mounting pads, cooling package and air filter.