



Workboats - New Generation

Proven Oil Spill Technology

**DESMI**

# A world of workboats - and opportunities



DESMI has since the late 1970'ties designed boats for mainly Oil Spill Combat.  
The first clients were UK based Oil Jetties.

The concept has always been focusing on Catamaran construction as this allowed the Oil Mop Ropes to be mounted between the hulls and create a Zero Velocity Recovery Mode giving long contact time between oil and Mop Ropes.

Besides Oil Spill Recovery the vessel design with large deck area allowed the vessels to be used as general work boats in ports, transport of people and command center when having larger operations. Designed to MCA Category 2 rules allowing operations up to 60 nm from safe haven.

The latest development is the totally containerized KaziCat where containers placed on the deck allow the vessel to handle a large number of tasks including the combating of waste and plastic.

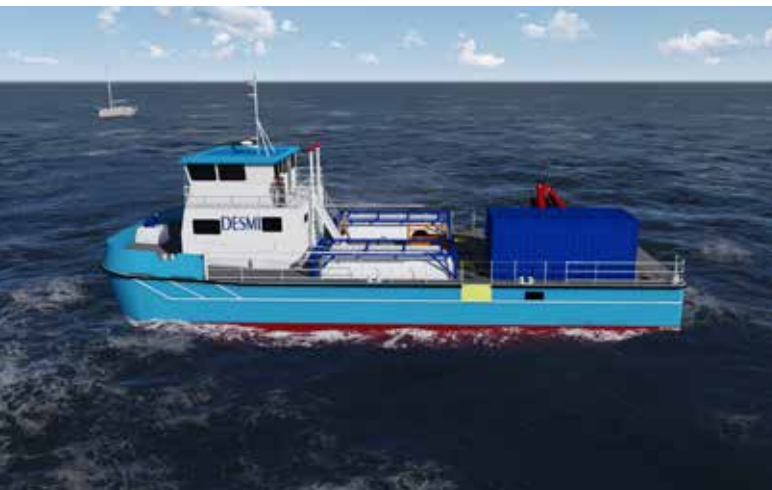
Finally, DESMI has a comprehensive program within aluminum workboats, both landing craft type of boats, but also a 2 tons bollard pull twin inboard engine boat.

## The new work boat concept

Based on the fact that oil spill is not that often an incident, any modern boat has to be versatile. DESMI KaziCat is based on the philosophy that the boat itself is just a platform that can be equipped to handle more or less any task required.

DESMI has developed containers to be placed onboard the KaziCat for handling the following duties:

- Passenger transport - up to 12 people
- Transport of injured people - second row SAR boat
- Transport of larger goods
- Treatment of Ballast Water from other vessels
- Sophisticated decompression diving container
- Firefighting container with foam and remote controlled fire monitor
- Oil Spill Combat
- Floating plastic and garbage collection including compacter for more time on sea
- Normal work boat duties
- Equipped with container for hull cleaning of other vessel
- Scientific vessel equipped with laboratory containers
- Module for inspection of seabed using WASSP multibeam scanner

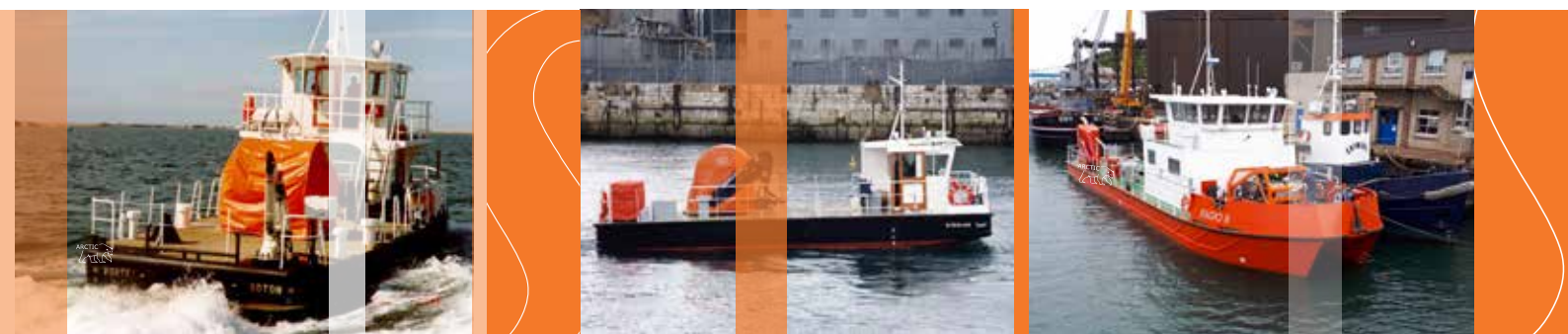


Technical Specifications		Technical Specifications	
Length overall	24.60 metres	Fuel capacity	15,000 litres
Length load line	23.95 metres	Speed light	14.0 knots approx.
Beam overall	9.60 metres	Oil recovery speed	Up to 6 knots
Depth	3.84 metres	Oil recovery system	Belt Brush via opening between hulls
Draft max	1.75 metres approx	Oil recovery rate	Up to 75 tonnes/hour
Work deck area	150.00 sq metres approx.	Oil transfer pump	40 cubic metres/hour
Work deck cargo capacity	100 Tonnes approx. (including fuel, stores, consumables)	Hydraulic crane	Max 10m Reach, 1.5 ton at 4 metre
Accommodation	Total 5 Crew	Bollard Pull	10 Tonnes
Main engines	2 x 830 bhp marine diesel	Classification	MCA, can also be classed

# Poll-range

DESMI Ro-Clean have been building and supplying Anti-Pollution Workboats for over 25 years specialising in dynamic oil skimming vessels. Our continuing programme of development linked with our practice of working with our customers

to provide vessels tailor-made to their specific requirements supported by our wide range of general oil pollution products has led to the building of workboats capable of many duties.



Technical Data	POLLCRAFT 12	POLLCRAFT 14	POLLKITTEN 13	POLLCAT 15.5	POLLCAT 19	POLLCAT 24
Length (Overall)	12m / 39ft	14m / 46ft	13m / 42.5ft	15.5m / 50ft	19m / 62ft	24m / 79ft
Hull Form	Steel Double Chined, Swim Ended Pontoon	Steel Double Chined, Swim Ended Pontoon	Steel Catamaran	Steel Catamaran	Steel Catamaran	Steel Catamaran
Beam	5.5m / 17.8ft	4.5m / 14.75ft	4.5m / 14.7ft	5.4m / 18ft	6m / 20ft	8m / 26ft
Distance Between Hulls	n/a	n/a	1m / 3ft	1.5m / 5ft	1.5m / 5ft	3m / 10ft
Draught light	0.9m / 3.0 ft approx.	0.55m / 2ft approx.	0.85m / 3ft approx.	0.80m / 3ft approx.	1.2m / 4ft approx.	1.2m / 4ft approx.
Draught loaded	1.1 m / 3.6 m approx.	0.75m / 2.5ft approx.	1.0m / 3.3ft approx.	1.30m / 4.24ft approx.	1.9m / 6.5ft approx.	1.9m / 6.5ft approx.
Depth	1.7m / 5.5ft	1.5m / 5ft	1.7m / 5.5ft	2.15 m / 7.0ft	2.5 m / 8.2ft	2.5m / 8.2ft
Speed (light)	9.0 knots	9.0 knots	7.0 knots	9.0 knots	9.0 knots	11.0 knots
Oil Recovery speed	Depends on skimmer	Depends on skimmer	Up to 4 knots	Up to 6 knots	Up to 6 knots	Up to 6 knots
Oil Recovery rate	Depends on skimmer	Depends on skimmer	Up to 20m <sup>3</sup> hr / 132 UK gpm	Up to 50m <sup>3</sup> hr / 330 UK gpm	Up to 50m <sup>3</sup> hr / 330 UK gpm	Up to 80m <sup>3</sup> hr / 330 UK gpm
Pumping Capacity	30m <sup>3</sup> hr / 132 US gpm	30m <sup>3</sup> hr / 132 US gpm	30m <sup>3</sup> hr / 132 US gpm	90m <sup>3</sup> hr / 396 US gpm	90m <sup>3</sup> hr / 396 US gpm	90m <sup>3</sup> hr / 396 US gpm
Main engines	2 x 185hp diesels	2 x 100hp petrol	2 x 81 hp diesels	2 x 170 hp diesels	2 x 170 hp diesels	2 x 480 hp diesels
Fuel tanks capacity	700 litres / 185 US gallons	700 litres / 185 US gallons	400 litres / 106 US gallons	1,800 litres / 474 US gallons	4,000 litres / 1,056 US gallons	10,000 litres / 2,640 US gallons
Cruising range	100 nautical miles	90 nautical miles	80 nautical miles	200 nautical miles	500 nautical miles	1,000 nautical miles
Recovered oil storage capacity	10m <sup>3</sup> / 2,642 US gallons	10m <sup>3</sup> / 2,642 US gallons	11m <sup>3</sup> / 2,900 US gallons	30m <sup>3</sup> / 7,926 US gallons	48m <sup>3</sup> / 12,681 US gallons	60m <sup>3</sup> / 15,850 US gallons
Knuckle Crane	Included	Included	Included	Included	Included	Included
Working deck	40m <sup>2</sup> / 430ft <sup>2</sup>	50m <sup>2</sup> / 538ft <sup>2</sup>	37m <sup>2</sup> / 398ft <sup>2</sup>	52m <sup>2</sup> / 560ft <sup>2</sup>	68m <sup>2</sup> / 732ft <sup>2</sup>	120m <sup>2</sup> / 1,292ft <sup>2</sup>
Hydraulic System	Included	Included	Included	Included	Included	Included

## DESMI Proven Poll Range of Oil Spill Combat boats - used for more than 40 years around the world

Dynamic oil recovery is achieved with the POLLCAT and POLLKITTEN by employing our new Zero Relative Velocity (ZRV) inclined Belt-Brush system between their steel hulls. Oil is then recovered without the need for prior containment by simply driving the boats through the slick while operating the system.

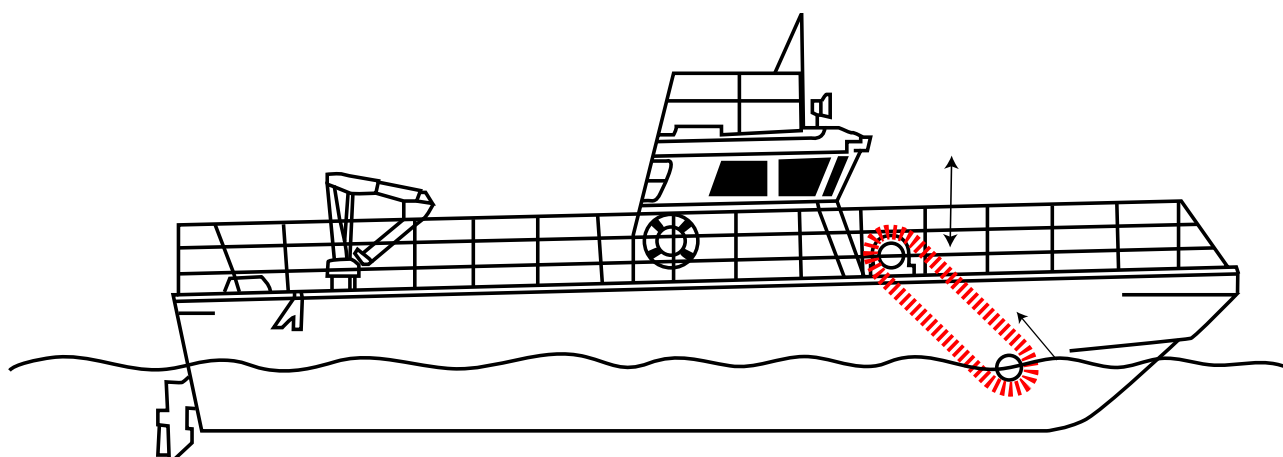
POLLCATS can be built to Class if required and are suitable for harbour, coastal and offshore duties. The vessels have a raised wheelhouse to provide better oil vision while releasing even more deck space for equipment.

Alternatively accommodation or a workshop can be provided in the space below the bridge deck.

POLLKITTENS are suitable for harbour, sheltered terminal and inshore duties being designed specifically to handle the “typical” bunkering size of incident where very rapid response is required and there is little or no time for other counter pollution measures.

POLLCRAFT are steel mono hull pontoon based workboats with a small wheelhouse forward designed to provide the maximum free or AFT working deck area achievable on small harbour and inshore sized boats for operation with equipment of opportunity. In their standard form they are fitted with hydraulic crane to assist in equipment handling and a recovered oil storage tank.

- Boom deployment
- Skimmer deployment
- Dispersant application
- Fire fighting
- Oily water reception
- Command centre duties
- Debris recovery
- Towing duties
- General workboat duties



# Aluminum Range



DESMI is concentrating on landing craft type of aluminum boats due to versatility and easy access for equipment placed on the boat. As a standard DESMI is promoting the following sizes:

Type of aluminium boat	5.5 meter	7.5 meter	10.0 meter
Length	5.50 meter	7.50 meter	10.00 meter
Beam	2.25	2.60	3.17
Engine	60 bhp Mercury SeaPro range	150 bhp - Mercury Seapro range	2 x 115 bhp - Mercury Seapro range
Max speed	25 knots	25 knots	25 knots
Persons onboard	4 persons	6 persons	8 persons
Range nm	Min 50	Min 50	Min 50
Fuel tank size	2x25 liter	2x25 liter	100 liter
Steering	Open steering console with window shield	Open steering console with window shield	Closed wheel house with wiper system
Lifting arrangement	Optional	Optional	400 kg manual davit
Payload	1500 kg	2000 kg	3000 kg
Weight of boat-engine	900kg	1450kg	6500 kg
Instruments	Compass with light	Compass with light	Compass with light

Optional for this type of vessel. Should be ordered together with vessel.  
 Top light on separate poole  
 Radar Echo Sounder  
 GPS Echo Sounder - together with Radar  
 VHF including antenna  
 Swimming platform  
 Certified lifting sling

## Years of Superior Service and Durability

### The landing craft

The landing craft type of aluminum boats is very versatile due to easy access for larger equipment.

Further, it gives a large working deck.

As standard DESMI has the below shown three models. In case of special requirements, DESMI can of course deliver modified versions.

Often will freight cost for boats be quite comprehensive due to not least the width.

Our 5.5 meter model can be transported in a standard 20' container and consequently save a lot of freight cost.

DESMI has of course smaller skimmers to be used from these landing craft type of boats. Making the unit perfect for smaller spill in confined areas like ports. Further all our aluminum boat are delivered with CE marking.



### Grafter - working horse

Our Grafter is a true working horse having a bollard pull of 2,000 kp manufactured from AlMg4,5 Mn plating, buttocks and frames with longitudinal stringers of AISi0,5

### The Grafter has the following advantages:

Plating below water: 6 mm  
Plating above water: 5 mm  
Side- and work deck: 5/7 mm grating plate AlMg3  
Standard includes:  
Navigation lights  
Handheld search light  
12V 180 Ah batteries  
Lifting sling

### Technical data - Grafter:

- Length o.a.: 7.8 meter
- Beam: 3.0 meter
- Draught: 0.8 meter
- Weight: 4,000 kg
- Speed: 15 knots
- Engine 2 x 114 bhp Deutz DT44
- Fuel tank: 120 liter
- Bollard pull 2,000 kg/kp

# Your DESMI contact for Oil Spill Response

## DESMI offices:

### Africa

DESMI Africa Ltd.  
Tel.: +255 757597827

### Canada

DESMI Inc.  
Tel.: +1 905 321 3471

### China

DESMI Pumping Technology (Suzhou) Co., Ltd.  
Tel.: +86 512 6274 0400

DESMI Pumping Technology (Suzhou) Co., Ltd.  
Shanghai Liaison Office

Tel.: +86 21 6071 06 00-05, 6071 06 07-13

DESMI Pumping Technology (Suzhou) Co., Ltd.  
Tianjin Liaison Office

Tel.: +86 22 2317 0467

DESMI Pumping Technology (Suzhou) Co., Ltd.  
Guangzhou Liaison Office

Tel.: +86 20 2831 3973

DESMI Pumping Technology (Suzhou) Co., Ltd.  
Chongqing Liaison Office

Tel.: +86 23 8823 3518

DESMI Pumping Technology (Xuancheng)  
Co., Ltd.  
Tel.: +86 563 2612 570

### Denmark

DESMI A/S - Group Head Quarter  
Tagholm 1  
DK-9400 Nørresundby  
Tel.: +45 96 32 81 11

DESMI Pumping Technology A/S  
Tel.: +45 96 32 81 11

DESMI Danmark A/S  
Tel.: +45 72 44 02 50

DESMI Contracting A/S  
Tel.: +45 96 32 81 11

DESMI Ro-Clean A/S  
Tel.: +45 65 48 16 10

DESMI Ocean Guard A/S  
Tel.: +45 96 32 81 99

### Ecuador

DESMI Latinoamerica S.A.  
Tel.: +593 2 326 1939

### France

DESMI SARL  
Tel.: +33 130 439 710

### Germany

DESMI GmbH  
Tel.: +49 407 519847

### Greece

DESMI Greece  
Tel.: +30 6944 149 446

### India

DESMI India LLP  
Tel.: +91-99 4933 9054

### Indonesia

DESMI Ro-Clean APAC  
Tel.: +62 21 570 7577

### Korea

DESMI Korea  
Tel.: +82 51 723 8801

### Netherlands

DESMI B.V.  
Tel.: +31 30 261 00 24

### Norway

DESMI Norge AS  
Tel.: +47 38 12 21 80

### Peru

DESMI PERÚ  
Tel.: +51 980 306 227

### Poland

DESMI Sp. z o.o.  
Tel.: +48 22 676 91 16

### Singapore

DESMI Singapore Pte Ltd.  
Tel.: +65 62 50 71 77

### Sweden

DESMI Sweden  
Tel.: +46 768 52 77 76

### UAE

DESMI Pumping Technology A/S (Br)  
Dubai Office  
Tel.: +971 4 501 5530

Abu Dhabi Office  
Tel.: +971 50-821 4979

### U.K.

DESMI Ltd.  
Tel.: +44 1782 566900

DESMI FHS Ltd.  
Tel.: +44 1782 566900

### USA

DESMI Inc.  
Tel.: +1 757 857 7041

- DESMI Companies
- DESMI Dealers/Agents

Please note that we do reserve the right to make changes to content, description, terms, etc. at any time without notice.  
21ALLWORBFCA04AMX112

You can read more about our oil spill response solutions at [www.desmi.com](http://www.desmi.com) or send your email to [desmi@desmi.com](mailto:desmi@desmi.com)

MARINE & OFFSHORE

INDUSTRY

OIL SPILL RESPONSE

DEFENCE & FUEL

UTILITY