

Inventory EMSA's equipment

Item	Equipment	No. of units	Value (€)
1	Fire boom (150m)	1	198,444.50
2	Fire boom (150m)	1	198,444.50
3	Fire boom (150m)	1	198,444.50
4	Fire boom (150m)	1	198,444.50
5	Speed Sweep	1	257,773.00
6	Speed Sweep	1	257,773.00
7	Current Buster 6	1	631,200.00
8	Trawl Net	1	201,895.00
9	Trawl Net	1	201,895.00
10	Current Buster 6	1	631,200.00
11	Scan Trawl Net spares	1	28,600.00
12	Scan Trawl Net spares	1	28,600.00
13	Scan Trawl Net spares	1	28,600.00
14	Scan Trawl Net spares	1	28,600.00
15	Portable dispersant spraying nozzles	1	15,897.00
16	Portable dispersant spraying nozzles	1	15,897.00
17	Portable dispersant spraying arms	1	15,300.00
18	Portable dispersant spraying arms	1	15,300.00
19	Trawl Net	1	259,095.00
Total (€)			3,411,403.00

DISPERSANT SPRAYING ARMS SYSTEM WITH MULTIPLE NOZZLES YMC-105/ScorSpray Arms (NEW NAVAL)



GENERAL DESCRIPTION

The YMC-105/ScorSpray Arms system is a portable dispersant application system that utilizes spray arms to deploy dispersant from multiple nozzles in a systematic, swath approach. The adaptable system is designed to be installed on a variety of vessels, including vessels of opportunity.

The system deploys neat or concentrated chemical dispersants at a maximum output of 150 l/min, depending on the needs of the operation at hand. A portable, diesel-driven pump controls the application rate of the system.

MAIN COMPONENTS:

The system is comprised of two aluminum arms that are easily assembled and can be outfitted on a vessel or work platform.

Each arm is equipped with four nozzles, installed onto drop pipes, that deploy the dispersant in a swath spray pattern. The effective spraying swath of one arm is 5.2 m with an effective spray pattern greater than 10 m in length.

The system consists of a diesel engine, a diaphragmatic pump, eductor set, spraying arms with nozzles and a hose set. The air-cooled, Yanmar diesel engine employs a recoil starter. An eductor is fitted on the pump discharge for the dilution of concentrate dispersant when desired, with a dispersant to seawater dilution rate up to 25%.

KEY CHARACTERISTICS

The system produces a designated output of 130 lit/min. Neat and diluted spray options with dilution flow meter. Dual, aluminum spray arms contain 4 nozzles each creating a uniform dispersant swath.

The hose set consists of:

- Two (2) hoses of 10 meters in length for the dispersant output from the pump to the spray arms,
- One (1) hose of 3 meters in length for dispersant input with drum tubing and line filter,
- One (1) hose of 10 meters in length and 10" diameter for sea water input, with suction filter.

All hoses are equipped with quick couplings for fast and easy connection.

TECHNICAL SPECIFICATIONS

SPRAY ARMS:

Length	4500 mm
Spraying Swath Length	5200 mm
Height (adjustable)	up to 740 mm
Width	230 mm
Weight (per arm)	21 kg
Nozzles (per arm)	4

TECHNICAL SPECIFICATIONS

PUMP UNIT:

Brand	Comet
Model	BP 135
Type	Diaphragmatic Pump
Drive Unit	Yanmar L48 Air-Cooled Engine
Fuel	Diesel
Power	4.7 hp
Length	1100 mm
Width	710 mm
Height	670 mm
Weight	115 kg
Flow (max.)	132 l/min
Pump Speed (max.)	550 RPM



STORAGE AND TRANSPORT

The complete dispersant system is supplied in a stainless steel container for easy handling, transport, storage and long-lasting protection of the system.

The transportation box can be loaded inside a 10' or 20' ISO container.

The storage container measurements are:
2.40 m (L) x 0.90m (W) x 1.30 m (H)



OPERATIONS

The system is delivered containerised. The unpacking of the system from the box and the installation on-board the vessel requires approximately 30 minutes.

Handling and installation of the system onto a vessel requires two (2) persons.

One (1) person is required to operate the system.



Equipment Availability

Location	Complete Address	Number of Systems
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Olmeldrum, Aberdeenshire, AB51 0GX, UK	2 x systems
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	4 x systems

DISPERSANT SINGLE NOZZLE SPRAYING SYSTEM BOATSPRAY 200 (AYLES FERNIE)



GENERAL DESCRIPTION

The BOATSPRAY 200 is a portable dispersant spray system designed for the application of concentrated or diluted dispersant using AFEDO even dropout nozzles for operation from tugs, offshore supply vessels and workboats.

MAIN COMPONENTS:

The system features a compact Diesel Pump Unit for neat or dilute dispersant spraying, a set of AFEDO Nozzles with all necessary, hoses and fittings.

KEY CHARACTERISTICS

The BS200D2F-TS is fully portable as it is diesel engine powered and the AFEDO nozzles are fitted with universal clamps which allow the AFEDO nozzles to be secured to any convenient structure such as the vessels rails and gunwales.

The nozzles have a total swath width of 36m. The system can provide a wide range of dispersant application rates by altering the dispersant flow rate.

TECHNICAL SPECIFICATIONS

Pump Unit (Neat or Dilute Spraying)

- Motive Unit: Diesel Engine with Recoil Start.
- Pump: Roller Type Positive Displacement Pump 220 LPM Max Capacity.
- Pipework: Stainless Steel & Gunmetal.
- Eductor: Proportioning type (0-30%)
- Frame: Stainless Steel.
- Valves (Manual): 2 No. Outlet Valves
 - 1 No. Recirc Flow Control Valve
 - 1 No. Dispersant Control Valve
- Flowmeter: Outlet and Dilute Flow Rate Indicators
- Pressure Relief Valve: 0 to 10 Bar.
- Pressure Gauge: Dual Scale

AFEDO Nozzles

- Nozzles: 2 No. AFEDO 75 Nozzles
- Hoses: 2 No. Delivery 25 N.B. x 5m long.

STORAGE AND TRANSPORT

To provide weather protection and security for the equipment, the system is supplied within an aluminium container. This purpose designed aluminium container stores all system components securely thus ensuring that the system is complete and ready for deployment and operation at all times.

The container is equipped with a lockable drop down ramp for easy loading/unloading, lifting eyes, fork pockets and pump unit restraint straps.

The deck space required is based on the container plus pump unit (when deployed) footprints:

Container:

L: 125 x W: 127 x H: 103 cms Footprint: 3.24 m²

Pump Unit: L: 100 x W: 90 x H: 74 cms

Empty Weight: 95 kg

SWL: 250kg

Typical Gross Weight: 345kg



OPERATIONS

The system can be operated completely independently of the storage container. The storage container can be used on or off the vessel.

The system can be used with just one nozzle for certain operational conditions such as cross wind spraying. The dispersant flow rate is fully adjustable using dilute mode for low application rates and neat mode for higher rates when oil conditions are more demanding i.e. emulsified, weathered or high viscosity oils. Dispersant flow can be varied from 0-150 LPM by utilizing both neat and dilute modes of operation.

The downwind spraying allows double nozzle spraying in wind speeds up to about 20 knots. In higher wind speeds, cross wind spraying techniques can be used in wind speeds over 20 knots.

The system can be prepared for operation within 30 minutes and operated by two people.



Equipment Availability

Location	Complete address	Number of Systems
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Olmeldrum, Aberdeenshire, AB51 0GX, UK	2 x systems
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	4 x systems

FIRE BOOM WITHOUT COOLING SYSTEM

AMERICAN FIREBOOM MKII (ELASTEC)



GENERAL DESCRIPTION

The American Fireboom MkII is a floating containment barrier used in an onsite oil burning operation or to protect areas from burning oil. The fire boom looks and behaves like a conventional boom but can support (deliberate) controlled combustion.

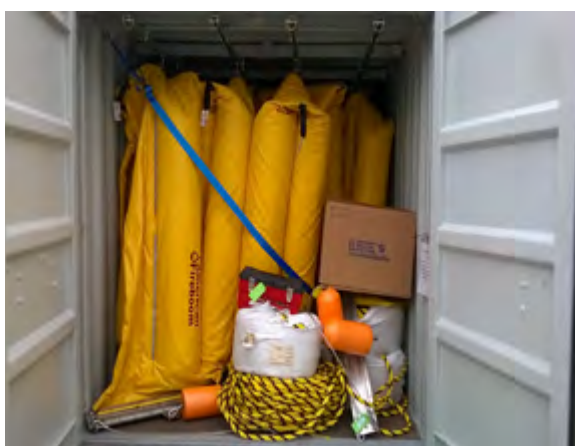
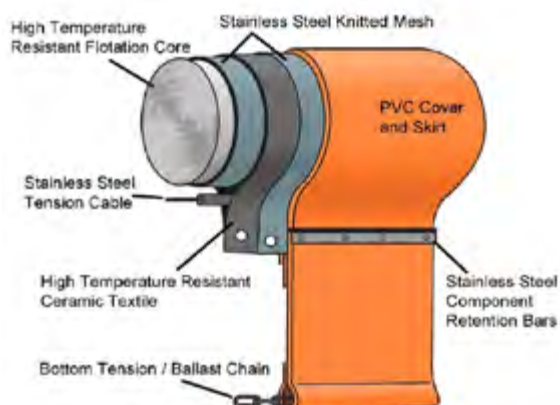
MAIN COMPONENTS

The American Fire Boom MKII is composed of the following main parts:

- 150 m Fire boom
- 2 x 150 m Towing ropes with bridles
- 10 x Safe start Igniters
- One 20ft ISO Container

KEY CHARACTERISTICS

Each section of the boom consists of seven segments, each with a high temperature resistant ceramic core flotation surrounded by two layers of stainless steel knitted mesh and high temperature resistant textile fabric that can withstand temperatures from -53°C to more than 1260°C (continuous). The segments of the boom are encased in tubular PVC outer cover that is extended to form the skirt. Ballast is provided by a galvanized chain. A stainless steel internal tension cable runs the length of the boom section. The sections can be connected using interlocking stainless steel connectors that are built to easily connect and disconnect while the boom is in water.



TECHNICAL SPECIFICATIONS

OVERALL LENGTH	150 M (10 SECTIONS)
TOTAL HEIGHT	760 MM
FLOAT	300 MM
SKIRT	450 MM
BOOM WEIGHT	1800 KG/150 M
WEIGHT OF SYSTEM	20 FT CONTAINER WITH ALL EQUIPMENT, APPROX. 4900 KG

STORAGE & TRANSPORT

The fire boom, which comes as standard in one set of 150 m long boom, is supplied inside a standard 20ft ISO container together with all required ancillaries for its independent deployment and operation (i.e. 2 x tow bridles, 2 x tow ropes and 10 x igniters). This way of storing the boom prolongs its shelf life, facilitates deployment and allows accessories such as the towing equipment and the igniters to be stored together with the boom.

The container is equipped internally with a system to suspend the boom from four longitudinal rails. The longitudinal rails are adjustable in order to accommodate any spacing configuration desired.

Glide assemblies are provided to hang the boom in the container and to suspend it from the rail in a vertical configuration.

Retaining devices in the ends of the longitudinal rails prevent the boom and roller assemblies from shifting or damage during transit.

During deployment operations, the retaining devices are removed from the longitudinal rails and the roller assemblies are removed from the boom hooks as the boom is unloaded.



NOTE: The equipment will be provided without lifting appliances.

OPERATIONS

The boom can be deployed from the container by minimum 3 persons. However, for a more efficient deployment, four persons are recommended. The boom can simply be pulled manually out of the container into the water by a small vessel. This is facilitated, given the set-up of the boom, which can either be hanging in the container or already pre-connected and laying on the deck. Deployment can be achieved in approx. 45 minutes or less. Once the boom is in the water it can be towed in a straight line to the operational area where it can be operated by two separate vessels in order to achieve a “U” formation. For retrieval, a crane will be required to hoist segments out of the water. The crane will need to be able to reach over the side of the vessel and swing the boom onto the deck. The vessel will need to accommodate the container plus another 6m in front of the container to allow for connecting of towing equipment / segments. If the response vessel does not have the space to accommodate a 20 ft container the boom can be piled on deck. The boom weighs 12 kg/m, so if the crane elevates one section (15m) the deadweight will be 180 kg.

The igniters are designed to provide a safe and easy way to start controlled burns for oil spill control.

The boom can operate in 1 to 1.15m waves and 20 knot winds.



EQUIPMENT AVAILABILITY

LOCATION	COMPLETE ADDRESS	NUMBER OF SYSTEMS
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Oldmeldrum, Aberdeenshire, AB51 0GX, UK	4 x 150 m boom sets, each stored inside a 20 ft container
Equipment Assistance Service (EAS) Baltic Sea	Narwicka 7a str., 80-557 Gdansk, Poland	4 x 150 m boom sets, each stored inside a 20 ft container
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	4 x 150m boom sets, each stored inside a 20ft container

COMBINED RECOVERY SYSTEM

NOFI CURRENT BUSTER 6 (ALLMARITIM)



GENERAL DESCRIPTION

The NOFI Current Buster 6 is a high-speed containment, decanting and recovery system designed to be deployed and operated from one single vessel only. The system consists of an inflatable boom with a decanting arrangement and a pump system for transferring the collected oil from the separator area to the vessel.

MAIN COMPONENTS

The system is composed of the following main components:

- 1 x NOFI Current Buster 6 boom on reel
- 1 x BoomVane 1.5 with drop back system
- 1 x Sea Anchor complete with kill line
- 1 x Pump Unit DOP250
- 1 x Umbilical 105m (40m + 65m) with reel
- 1 x Diesel Hydraulic Power Pack 73kW ATEX II
- 1 x Oil Transfer system for continuous pumping to vessel
- 1 x Set of spare parts and hoses
- 1 x 20ft ISO Container, 2 x 10ft ISO Containers

KEY CHARACTERISTICS

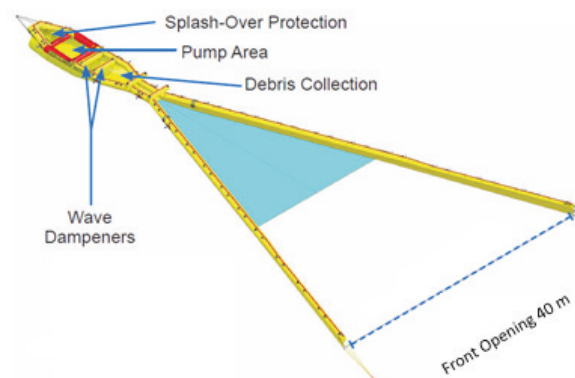
The NOFI Current Buster 6 system ensures superior clean-up capabilities in tidal, wind and wave currents due to its high Speed Through Water (STW) capability. Given its design, the hydrodynamic shape reduces the drag force and allows the system to move easier through water. Together with the optimised shape of the separator arrangement, it stabilises the movement of the liquids and the separator in the temporary storage area. The system is also capable of operating faster and more efficiently than conventional oil boom configurations by using only one vessel in conjunction with a boom vane. This provides a significant advantage as it allows the system to achieve much higher towing speeds, of up to 5 knots. The key characteristics of the system are:

- Single vessel operation by use of boom vane;
- Hydrodynamic shape ensuring optimal performance in wave conditions and low towing resistance;
- Enhanced manoeuvrability due to single vessel operation;
- Open separator arrangement allowing for easy access for pumps, facilitating debris removal and visual monitoring;
- Oil contained in the Current Buster is stored in the separator area until the pump is activated;
- Allows build-up of a layer of up to 1.5 meter with oil in the separator area, thus ensuring oil and not water to be pumped into the vessel's tank. Pump is pumping below surface thus preventing debris getting into the pump and allowing for significantly longer operational time and less servicing of pump;
- Certified to operate in Hazardous Area Zone II in accordance with the ATEX Directive (ATEX 94/9/EC) or similar;
- Suitable for any type of oil without any adjustments.



TECHNICAL SPECIFICATIONS

TOTAL LENGTH	65.0 M
SWEEP LENGTH	41.3 M
SWEEP OPENING (UP TO)	40.0 M
SEPARATOR NET VOLUME	35-40 M ³
FREEBOARD	0.8 TO 1.0 M
DRAFT	2.6 M
SWEEPING SPEED FLAT WATER	UP TO 5 KNOTS
SWEEPING SPEED IN WAVES	2 – 4 KNOTS
PUMPING CAPACITY	100 M ³ /H (CONTINUOUS), 125 M ³ /H (INTERMITTENT)
UMBILICAL	105 M (40 M ON DECK + 65 M IN THE WATER)
WEIGHT OF THE SYSTEM	20 FT ISO CONTAINER WITH CURRENT BUSTER AND POWER-PACK, APPROX. 8700 KG
	10 FT ISO CONTAINER WITH UMBILICAL EQUIPMENT, APPROX. 4000 KG
	10 FT ISO CONTAINER WITH BOOM VANE AND PUMP, APPROX. 3000 KG



STORAGE & TRANSPORT

The NOFI Current Buster 6 system is fully containerised and is stored as follows:

- 1 x 20 ft ISO container for the Current Buster system on reel, pump unit, power pack, hydraulic air blower and spare parts
- 1 x 10 ft ISO container for the Boom Vane 1.5 system
- 1 x 10 ft ISO container for floating umbilical for oil transfer from oil separator to vessel

NOTE: The equipment will be provided without lifting appliances.



OPERATIONS

NOFI Current Buster 6 can be towed with a single vessel in combination with a paravane named BoomVane, which eliminates the need of a second towing vessel.

The vessel suitable for single-vessel operation of the Current Buster 6 must be directional stable and/or with ability for sideways movements (i.e. side propeller/thruster). This is because the BoomVane will pull sideways during operation. The vessel must also be suitable to act as a towing vessel and be able to tow with sufficient pull force (i.e. 15 tonnes in the speed range of 2 – 5 knots). In addition, the vessel will need to meet the following requirements:

- Stern opening of minimum 6 metres for safe deployment of the system;
- Deck width of minimum 9 metres;
- Deck space capacity to allow the storage of the containers (1 x 20 ft, 2 x 10 ft) plus a clear space of 10 meters from the stern for deployment purposes;
- Crane on starboard side to deploy boom vane (400 kg lifting capacity when stretched out);
- Capstan at stern for BoomVane and sea anchor recovery.

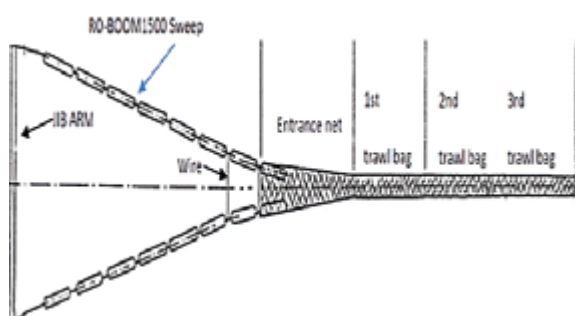
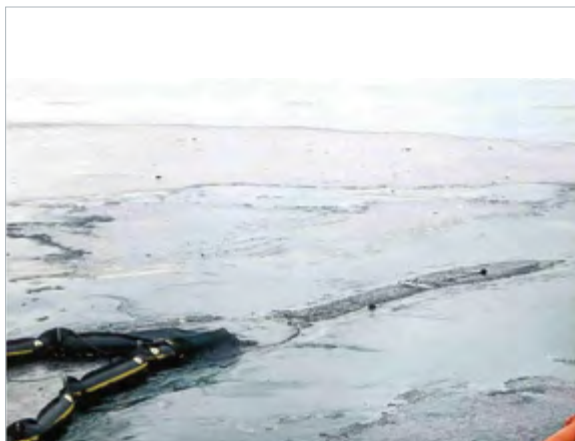
In order to deploy the system in a safe and efficient manner four people are recommended. The system can be deployed and retrieved in both directions (i.e. starboard or port side), although the standard configuration should be for starboard side.

EQUIPMENT AVAILABILITY

LOCATION	COMPLETE ADDRESS	NUMBER OF SYSTEMS
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Oldmeldrum, Aberdeenshire, AB51 0GX, UK	2 x NOFI Current Buster 6
Equipment Assistance Service (EAS) Baltic Sea	Narwicka 7a str., 80-557 Gdansk, Poland	1 x NOFI Current Buster 6
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	1 x NOFI Current Buster 6

OIL TRAWL NET

RO-TRAWL 1500 (DESMI)



GENERAL DESCRIPTION

The Ro-Trawl 1500 system is a sweeping unit to be used in recovery of heavy oil, tar lumps and other kinds of debris from the sea. It is prepared for use under a wide range of sea conditions, from calm in-harbour conditions up to waves of 2 – 3 m in the open sea.

MAIN COMPONENTS

The oil trawl net is composed of the following main components:

- 2 RoBoom 1500 guide boom with reel and tow set
- 1 x Ro-Kite 1500
- 1 x Trawl with entrance net and two trawl bags with a displacement of 2.5 m³ each
- 1 x Fairlead / key roll
- 1 x Diesel Hydraulic Power Pack 57kW ATEX II
- 1 x Control stand with air-blower
- 1 x Set of spare parts and hoses
- 1 x 20ft ISO Container

KEY CHARACTERISTICS

The Ro-Trawl 1500 system is fitted with RoBoom 1500 oil boom as an entrance guide boom, to which the trawl system is fitted. The 2 x 25 m boom is wound on the reel double and at the outer end of the boom (i.e. apex) are fitted the trawl nets and bags. The system is provided with 2 x 2.5 m³ trawl bags, thus gaining an easy and suitable handling with limited power. More than two trawl bags can actually be mounted to the entrance net for long term trawling. The key characteristics of the system are:

- Single vessel operation by use of a Ro-Kite 1500;
- Enhanced manoeuvrability due to single vessel operation;
- Suitable to collect oil and debris from the surface of the water down to a depth of 1 m;
- Sweeping speeds of up to 3 knots;
- Certified to operate in Hazardous Area Zone II in accordance with the ATEX Directive (ATEX 94/9/EC) or similar;
- Suitable for heavy oils, tar lumps.

TECHNICAL SPECIFICATIONS

SYSTEM LENGTH	2 X 25 M GUIDE BOOMS PLUS THE TRAWL NET ASSEMBLY (APPROX. 60 M OVERALL)
SWEEP OPENING	20 M
FREEBOARD	0.50 M (GUIDE BOOMS & RO-KITE)
DRAUGHT	GUIDE BOOMS 0.70 M, TRAWL BAG 1M, RO-KITE 2.2M
SWEEPING SPEED	UP TO 3 KNOTS
WEIGHT OF THE SYSTEM	20FT ISO CONTAINER WITH COMPLETE SYSTEM APPROX. 7200 KG

STORAGE & TRANSPORT

The Ro-Trawl 1500 system is fully containerised and is stored in one 20ft ISO container, together with all required ancillaries for an autonomous operation.

The container has double cargo doors in one end and double cargo doors on one side. The container is furnished with twist locks for securing reels and power packs.

NOTE: The equipment will be provided without lifting appliances.



OPERATION

The Ro-Trawl 1500 system is a single vessel system designed for rapid deployment and recovery by using a crew of minimum three. The system can be deployed by trained personnel in approx. 30 minutes. Retrieval time will approximately take 1 hour. Launched and recovered from boom reels with a 10" footprint, there must be a clear deck space of 3-4m clear between the winder and the gunwale. There must also be an open gunwale or ramp over the gunwale in order to deploy the system. A fair-lead must be placed on the gunwale for easy deployment and retrieval of the system.

The vessel suitable for single-vessel operation of the system must be directional stable (e.g. deep v-shaped keel) and/or with ability for sideways movements (i.e. side propeller/thruster). This is because the Ro-Kite will pull sideways during operation. The vessel must also be suitable to act as a towing vessel and be able to tow with sufficient pull force (i.e. 15 tonnes in the speed range of 2 – 5 knots).

EQUIPMENT AVAILABILITY

LOCATION	COMPLETE ADDRESS	NUMBER OF SYSTEMS
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Oldmeldrum, Aberdeenshire, AB51 0GX, UK	2 x Ro-Trawl 1500 System
Equipment Assistance Service (EAS) Baltic Sea	Narwicka 7a str., 80-557 Gdansk, Poland	2 x Ro-Trawl 1500 System
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	3 x Ro-Trawl 1500 System

COMBINED RECOVERY SYSTEM

SPEED SWEEP 1500 (DESMI)



GENERAL DESCRIPTION

The DESMI Speed Sweep 1500 and Ro-Kite system is a high speed sweeping system that can be used by one ship only. The system consists of two guiding booms connected to a sweeping boom which is fitted with a skimmer in the apex. The sweeping boom is fitted with three semipermeable 900 mm nets, with foam filled circular floats, which are used to slow down the speed of surface water with floating oil allowing oil to be contained and collected in the sweep apex compartment, while excess water without oil is escaping slowly beneath the skirt. This system allows the surface water and oil to be slowed by as much as 70%, which allows the oil to concentrate in the apex, ready for collection. The oil is recovered with an oil skimmer integrated in the boom system, in the apex.



MAIN COMPONENTS

The Speed Sweep 1500 system is composed of the following main components:

- 1 x DESMI Speed Sweep 1500 boom on reel
- 2 x Guide booms Ro-Boom 1300
- 1 x Ro-Kite 1500 with tow set for use with Speed Sweep 1500
- 1 x RoSkim 1500 weir skimmer for Speed Sweep 1500 with DESMI DOP250DUAL pump
- 1 x Remote control stand with air-blower
- 1 x Diesel Hydraulic Power Pack 57kW ATEX II
- 1 x Umbilical 50m (20+30m) with reel
- 1 x Set of spare parts and hoses
- 1 x 20ft ISO Container



KEY CHARACTERISTICS

The Speed Sweep 1500 system ensures more efficient operation than conventional oil boom configurations by using only one vessel in conjunction with a Ro-Kite. This provides a significant advantage as it allows the system to achieve higher towing speeds, of up to 3 knots. The key characteristics of the system are:

- Single vessel operation by use of a Ro-Kite 1500;
- Enhanced manoeuvrability due to single vessel operation;
- Certified to operate in Hazardous Area Zone II in accordance with the ATEX Directive (ATEX 94/9/EC) or similar;
- Suitable for any type of oil without any adjustments.

TECHNICAL SPECIFICATIONS

SYSTEM LENGTH	SWEEPING BOOM 30 M, GUIDE BOOM 2 X 15 M
SWEEP OPENING	20 – 30 M
FREEBOARD	APEX 0.52 M, GUIDE BOOMS 0.45 M
DRAUGHT	APEX 0.72 M, GUIDE BOOMS 0.63 M
SWEEPING SPEED	UP TO 3 KNOTS
PUMPING CAPACITY	100 M ³ /H MAX
UMBILICAL	50 M (20 M ON DECK + 30 M IN THE WATER)
DISCHARGE PRESSURE	10 BAR MAX
WEIGHT OF THE SYSTEM	20 FT ISO CONTAINER WITH ALL EQUIPMENT, APPROX. 8400 KG

STORAGE & TRANSPORT

The Speed Sweep 1500 system is fully containerised and is stored in one 20ft ISO container, together with all required ancillaries for an autonomous operation.

The container has double cargo doors in one end and double cargo doors on one side. The container is furnished with twist locks for securing reels and power packs. Furthermore, the container is equipped with a rack of coils for lines and hydraulic hoses, brackets etc.

NOTE: The equipment will be provided without lifting appliances.



OPERATION

The Speed Sweep 1500 is designed for rapid deployment and recovery by using a crew of minimum three. With a trained crew the system can be deployed or recovered in approx. 30 minutes.

The space required for the deployment of the system is the footprint of the 20ft container plus a 3-4m clear space in front of the doors. There must be an open gunwale to deploy/recover the system into/from the water.

The vessel suitable for single-vessel operation of the system must be directional stable (e.g. deep v-shaped keel) and/or with ability for sideways movements (i.e. side propeller/thruster). This is because the Ro-Kite will pull sideways during operation.

The vessel must also be suitable to act as a towing vessel and be able to tow with sufficient pull force (i.e. 15 tonnes in the speed range of 2 – 5 knots).

EQUIPMENT AVAILABILITY

LOCATION	COMPLETE ADDRESS	NUMBER OF SYSTEMS
Equipment Assistance Service (EAS) North Sea	Barra Business Park, Mounie Drive, Oldmeldrum, Aberdeenshire, AB51 0GX, UK	2 x Speed Sweep
Equipment Assistance Service (EAS) Baltic Sea	Narwicka 7a str., 80-557 Gdansk, Poland	2 x Speed Sweep
Equipment Assistance Service (EAS) Adriatic Sea	38/40 via del Trabaccolo Ravenna, Italy	1 x Speed Sweep