

EQUIPMENT HIRE SERVICES

Preparedness through customised and cost effective oil spill response equipment solutions



EQUIPMENT HIRE SERVICES

TO BE FULLY PREPARED MEANS TO BE READY TO RESPOND AT ANY TIME

OSRL's equipment hire services provide a tailored Tier 1 oil spill response capability for clients engaged in exploration and production.

“WE WILL WORK WITH YOU TO CREATE AN ENTIRELY BESPOKE EQUIPMENT PACKAGE.”



We work with you to develop a bespoke package of equipment and training, based on your specific operations, environment, spill risk and regulatory requirements. OSRL can provide solutions for both short term and long term requirements.

The benefits to your operations are:

- **Compliance** – OSRL works with you to ensure the equipment package meets your internal company and regulatory requirements.
- **Cost Management** – hiring equipment means no capital or disposal costs, and known operational costs, reducing uncertainty in your budget.
- **Simplicity** – OSRL experts carry out maintenance of the equipment, and deliver training to your personnel to ensure they are competent to deploy it. OSRL spill response specialists are available 24/7 in the event of an incident. Initial equipment training provided by our experts is refreshed on a continuing six monthly basis to ensure proficiency of your personnel.
- **Plug & Play During Response** – Equipment hired from OSRL is the same equipment that we hold in readiness in our own stockpiles.
- **OSRL expertise** – OSRL has over three decades of operational experience responding to oil spills globally. An integral part of the Equipment Hire Service is the continued availability and support from OSRL's experts. In addition to supplying equipment and training, we can also provide ongoing operational management support through a secondment of an experienced oil spill expert.

RESPONSE PACKAGES

OSRL has developed standard response equipment packages which can be combined and tailored to meet most operators' needs. We use our extensive operational experience to optimise all equipment packages for safe, simple and fast deployment.

The four standard equipment packages are:

- Offshore containment and recovery
- Vessel dispersant application
- Shoreline response
- Port and harbour response

OFFSHORE CONTAINMENT & RECOVERY PACKAGES

Offshore containment and recovery removes oil from the environment and is the primary at-sea response strategy adopted by many governments and operators around the world.

It works by using boom to contain and concentrate floating oil, and a skimmer to physically recover oil from the sea surface and pump it into a suitable temporary storage container.



CONVENTIONAL CONTAINMENT

Conventional containment is a two vessel technique, better suited for a high percentage surface oil coverage before oil begins to fragment. OSRL recommends 200 metres of offshore boom for quick deployment in the event of an oil spill. The boom is inflated using an air inflator and stored on a hydraulically driven reel inside the container. Both the air inflator and the reel can be powered by the diesel power pack provided with the offshore recovery and storage package.

HIGH SPEED CONTAINMENT

Highly manoeuvrable and deployed using a single vessel with the use of a paravane; the high speed offshore containment and recovery package is capable of being deployed and implemented at higher speeds of up to four knots and in strong currents. The system is also well suited for recovering fragmented oil.

OFFSHORE RECOVERY

OSRL can provide robust offshore weir skimmers complete with oleophilic attachments if required. The hydraulic recovery device is complete with a diesel hydraulic power pack and hose sets. All ancillaries, such as guide ropes, buoys, hoses and personal protective equipment are included.

TEMPORARY OFFSHORE STORAGE

In addition to the containment and recovery package, storage requirements should also be considered. If onboard vessel storage is not an option, OSRL can supply either 10 or 25 cubic metres inflatable offshore storage barges. The barges may either be offloaded, towed by the recovery vessel or anchored. The barges are stored in the recovery container, complete with the designated lifting gear, cover, tow bridles and air inflator.

PACKAGE CONTENTS

CONVENTIONAL CONTAINMENT

- 200 m Offshore Boom
- Hydraulic Boom Reel
- Power Pack and Hydraulic Air Inflator
- Tow Bridles
- Hydraulic Hoses Sets and Reel
- Buoys
- Spares Kits
- Temporary Storage Barge

HIGH SPEED CONTAINMENT

- High Speed Containment System
- Integrated Storage Bladder/Bag
- Paravane and Bridles
- Offloading Transfer Pump
- Ancillaries and PPE Sets
- Stored in DNV Certified Containers

OFFSHORE RECOVERY

- Offshore Skimmer
- Diesel Hydraulic Power Pack
- Hydraulic Hose Sets and Reel
- Ancillaries and PPE Sets
- Spares Kits
- Stored in a DNV Certified Container
- Temporary Storage Barge



OSRL'S
EQUIPMENT HIRE
SERVICES PROVIDE A
TAILORED TIER 1 OIL SPILL
RESPONSE CAPABILITY



VESSEL DISPERSANT APPLICATION PACKAGE

Dispersants break down oil in the environment and accelerate natural biodegradation processes. Many countries consider dispersants an important tool in oil spill response.

Different countries approve different dispersants, and how and when to use them. OSRL can supply different dispersant products to ensure you are able to meet regulatory requirements.

The dispersant application equipment we supply is easily transferable, very straightforward to use and does not require any modifications to vessels. We supply dispersant equipment with all necessary personal protective equipment to ensure safe operations.



PACKAGE CONTENTS

Components of a typical dispersant package:

- Dispersant pumping system with nozzles
- Four cubic metres of chemical dispersant, stored in intermediate bulk containers (IBCs)
- Ancillaries and PPE sets
- Supplied in a 10 foot DNV Certified Container



SHORELINE RESPONSE PACKAGES

Shoreline response equipment is deployed to protect environmental sensitivities if an oil spill is predicted to impact a shoreline.

We supply response-ready trailers which contain the equipment and ancillaries needed to establish a shoreline response at a given site. All personal protective equipment is included to ensure safe operations.



SKIRT / SHORE SEALING INFLATABLE BOOM

This package contains 200 metres of shore skirt boom and 50 metres of shore sealing boom. It includes air inflators, tow bridles and a water pump to fill the bottom chambers of the shore sealing boom. Multiple booms can be connected to deploy a long continuous boom across both water and shoreline.

SHORELINE FLUSHING

Shoreline flushing equipment is used to flush and remobilise stranded beached oil. The shoreline flushing equipment includes a petrol driven water pump that utilises low pressure water and perforated discharge hoses.

OIL RECOVERY DEVICE

A shoreline skimmer device comes complete with hydraulic power pack, pump and hoses. The skimmer can be manoeuvred without the need for mechanical assistance and therefore is ideal for difficult shoreline environments. It is provided with brush or disc oleophilic cassettes.

TEMPORARY STORAGE TANKS

A 10,000 litre collapsible storage tank is included for storing recovered oil. The storage tank comes in a compact, transportable container and once on site is easy to assemble and requiring minimal manpower.

PACKAGE CONTENTS

- Response trailer
- 250 m inflatable shore sealing and skirt boom
- Brush or disc skimmer and pump unit
- 10,000 litre framed storage tank
- Shoreline flushing equipment
- Absorbent pads and 50 m absorbent boom
- Shoreline ancillary equipment, various
- Personal protective equipment sets



PORT & HARBOUR RESPONSE PACKAGES

Port and harbour response equipment is designed to be deployed quickly to ensure spills are quickly contained and do not spread into sensitive areas.

Due to the containerised nature of our equipment, it can be kept on or near the quayside and is suitable to contain and recover small oil spills within the port and harbour environment.



FENCE BOOM

OSRL recommends 150 metres of fence boom for quick deployment. Fence boom is foam filled and therefore does not require air inflation. It can be stored either flaked or housed on a reel for quick deployment, as required.

OIL RECOVERY SKIMMER

The near shore weir skimmer comes complete with a power pack pump unit and hoses. The skimmer can be manoeuvred without the need for mechanical assistance and is ideal for difficult port environments.

TEMPORARY STORAGE TANKS

A 10,000 litre collapsible storage tank is included to store recovered oil. The storage tank comes in a compact and transportable container and once on site can be assembled with minimal manpower.

PACKAGE CONTENTS

- 150 m fence boom 750 mm
- Skimmer and hydraulic Pump Unit
- 10,000 litre framed storage tank
- Absorbent pads, bale
- Personal protective equipment sets
- 10 ft ISO container



AN INTEGRAL
PART OF THE
EQUIPMENT HIRE SERVICE
IS THE CONTINUED
AVAILABILITY AND SUPPORT
FROM OSRL'S EXPERTS



BESPOKE EQUIPMENT PACKAGES

OSRL will work with you to develop a bespoke equipment package based on your specific operations, environment, spill risk and regulatory requirements.

Variations to the standard equipment packages can include:

INLAND SPILL RESPONSE PACKAGES

OSRL's specific inventory for effective land based response includes such equipment as vacuum equipment, damming equipment, sand bags, pumps, skimmers and temporary storage.



DISPERSANT BOAT SPRAY-ARM SYSTEMS: a longer term dispersant application solution from a vessel.

HELICOPTER DISPERSANT APPLICATION PACKAGES: including helibucket dispersant application systems.

DISPERSANT PACKAGES: with specific chemical dispersant types approved for specific areas.

COMMAND PACKAGES: featuring incident command shelters, command infrastructure and communications equipment.

UTILITY VEHICLE PACKAGES: aids the movement of response equipment and personnel.

TRACKING BUOYS: to be deployed at the spill site, providing remote analysis of the oil trajectory.

RESPONSE SUPPORT VESSEL PACKAGES

Shoreline vessel stored in a 20 foot container for ease of transport. For use in boom deployment and equipment / personnel transport, vessel response training included.

WILDLIFE PACKAGES

Through our wildlife partners, Sea Alarm, we can work with you to develop bespoke oiled wildlife equipment and training packages. Sea Alarm's global network of expertise ensures that you will receive a bespoke oiled wildlife package based on your specific operations, environment, spill risk and regulatory requirements.

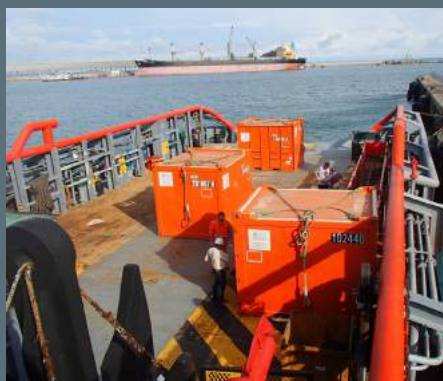


OSRL SUPPORT, TRAINING & MAINTENANCE

As the world's only international industry funded oil spill service provider, OSRL possesses the management expertise, specialist personnel and equipment needed to address your oil spill response and preparedness needs.

OSRL has a dedicated and experienced team who can be freely consulted to help guide your choice of response equipment solutions and will continue to support you through your operations.

**"CUSTOMISED AND
COST EFFECTIVE
OIL SPILL RESPONSE
EQUIPMENT
SOLUTIONS"**



Professional training is provided with every OSRL equipment hire package. Specialists will supervise equipment installation and conduct thorough response equipment training for all persons likely to deploy the equipment, covering safe working practices and operational activities.

Your equipment training needs will be fulfilled throughout the duration of the project. Regular training ensures you are well skilled and exercised for the event of a real incident.

OSRL's equipment maintenance service includes the provision of trained OSRL Specialists to conduct the periodic maintenance for all hired oil spill equipment. Your equipment maintenance schedule and breakdown needs will be fulfilled throughout the duration of the project.



OSRL EQUIPMENT HIRE PACKAGES

CONTACT US TO DISCUSS YOUR OPERATIONAL REQUIREMENTS

During the early stages we will ask you a lot of questions in order to gain an overview of your operational requirements and help identify and understand any unique considerations.

CHOOSE YOUR EQUIPMENT PACKAGE WITH OUR SUPPORT

With your knowledge of your operations and our expertise in response equipment solutions, you will be guided to the most appropriate equipment packages, relevant to your unique requirements.

The final package will be aligned to your individual needs taking into account your operational requirements and limitations, and appropriate to the scale of your operations. We have a friendly and knowledgeable team who will work closely with you to develop a targeted and cost effective equipment solution.

If you are looking for equipment advice or a competitive quote contact:
preparedness@oilspillresponse.com

OSRL PREPAREDNESS SERVICES

Being prepared means to be ready to implement an effective response at any time. Preserving this level of preparedness requires regular verification that the capability meets the level of risk, continual maintenance of systems, people, documentation and resources and ongoing testing to ensure the required level of response can be achieved.

“HOW PREPARED ARE YOU TO HANDLE A SPILL?”



An effective response depends on competent personnel working to a well developed plan that has been adequately resourced and regularly exercised. To guarantee you are truly response ready requires a continual cycle of reviewing, updating and testing all elements of preparedness.

OSRL offers an end-to-end oil spill preparedness and response service that provides an integrated solution to all your oil spill preparedness and response needs. We provide a full range of preparedness, intervention and response services: Equipment Hire, Secondments, Subsea Well Intervention Services (SWIS), Global Dispersant Stockpile, Consultancy and Training Services.

Through close engagement with our Members, regulators and other stakeholders we are able to understand the needs and desires of all parties. Our knowledge combined with our experience and expertise allows us to provide customised, targeted and cost effective oil spill response solutions in support of our customers' activities.

WHY OSRL?

- Unrivalled oil spill experience – attended over 400 spills in the last three decades.
- Full range of preparedness services, no need to engage different experts to address your oil spill risks.
- In-depth understanding of industry issues and regulations.
- International network of offices whose resources can be combined to meet your geographical requirements.
- Pool of experts with a broad range of skills from planning, modelling, training and exercises, through to response and post spill monitoring services.

For more information on any of our services please contact:
preparedness@oilspillresponse.com



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