

THE GLOBAL RESPONSE

AN OSRL MAGAZINE

FEATURE ARTICLE: P.4 Navigating the Evolving Landscape of Oil Spill Response

The annual risks of oil spills are on the rise, affecting everyone. This article delves into the challenges, innovations, and vital collaborations that are reshaping the industry.

REPORT OF ACTIVITY: P.26

A review of our achievements and activities in 2023

Cover Photography by
Franchesca Rouse



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CEO WELCOME

HELLO AND WELCOME

Hello and welcome to the first issue of The Global Response.

Our new magazine will give our members and industry personnel, the opportunity to dive deeper into Oil Spill Response Ltd and learn more about the people behind the company.

This issue will allow you to take a closer look at some of the vital roles people in our organisation play in the delivery of our services, explore in more depth some of the innovative technologies we are researching and trialling, and discover how we are supporting members across the industry.

Every year, we actively participate in and organise industry-specific events that provide valuable opportunities for our employees and members to deepen their understanding of oil spill response. We hope to share this knowledge to a much wider audience through our new magazine. The landscape of the energy industry continues to change, and our organisation is embracing this through exploring new ways to achieve sustainability, support renewable energy companies and improve our response capabilities based on lessons we have learned through significant incidents over the years.

As we embark on the next phase of our journey, we are committed to delivering excellence while continuing to support our members. We recognise the challenges and opportunities presented by the energy transition and are dedicated to serving our members' needs in the most effective way possible.

I hope you enjoy the first edition of The Global Response.

Vania De Stefani

Vania De Stefani





BY VANIA DE STEFANI
CEO, OSRL

The annual risks of oil spills are on the rise, affecting everyone. This article delves into the challenges, innovations, and vital collaborations that are reshaping the industry.

NAVIGATING THE EVOLVING LANDSCAPE OF OIL SPILL RESPONSE



Each year, the risk of oil spills looms large, and the repercussions are growing more severe. What affects one organisation in the oil industry impacts us all. This article delves into the ever-changing world of oil spill response. It explores the complex challenges we face, spotlights emerging opportunities for innovation, and underscores the vital role of collaboration in transforming the industry.

COMPLEX AND EVOLVING SPILL SCENARIOS

For years, the oil industry has been exploring oil in remote regions with limited infrastructure. These areas are often found in less developed and sometimes politically unstable regions with little prior experience in oil spill management. Responding to spills in such remote locations is not necessarily straightforward.

As the search for new oil sources becomes more challenging, the industry's focus shifts to regions like South America and the African fringe of the Atlantic Ocean. However, the regulators in new basins have a steep and rapid learning curve to reach the point where the country is well prepared for spills. This heightened vulnerability underscores the need for cooperation and proactive measures to learn lessons from elsewhere and minimise risks.

Moreover, the global transition to more sustainable fuels presents new challenges. In shipping, for instance, there's a move towards using ammonia as fuel. This shift requires collaboration between organisations like The Global Centre for Maritime Decarbonisation and government agencies to establish safety protocols and emergency response procedures.

In any case, it remains true that no two spills are the same, and we're witnessing an increase in smaller, more frequent spills in different locations, each presenting unique challenges and requiring a unique response strategy. The key challenge now is maintaining a high degree of readiness for the increasing breadth and scale of incidents.

MANAGING EXPECTATIONS OF STAKEHOLDERS AND THE PUBLIC

Both citizen journalists and traditional media play a significant role in shaping public perceptions of oil and gas industry events. Consider two recent spills - one in the Philippines and another in Poole, United Kingdom. The Philippine spill involved a tanker carrying 800,000 litres of industrial fuel oil, which sank. In comparison, the Poole oil spill from a leaking pipe was around six tonnes of crude oil, in 15% oil-85% water mixture. Despite the Philippine spill being significantly larger, the Poole incident garnered more media attention, largely due to UK media coverage and social media uproar from "citizen journalists." As a result of this intense scrutiny, we are seeing that responses like these have a longer tail - with initially high levels of activity reducing, but continuing at a lower level for a long time after the event.

“ WHEN RESPONSE EFFORTS BECOME DISTRACTED BY MISGUIDED POLITICS, THE ENVIRONMENT AND COMMUNITIES ARE THE LOSERS.”

High expectations from the public can lead to negative emotions like distrust, fear, impatience, confusion, and sadness. Unrealistic expectations regarding the type and scale of resources needed for a successful response can worsen the situation. The criteria for defining a “successful response” can vary, with some believing that complete recovery of spilled oil from the environment should be achievable, without the appreciation that hydrocarbons will naturally biodegrade in the environment, or that over-responding can have a detrimental impact on the environment.

These expectations often stem from a lack of understanding of the complexities involved in oil removal or misconceptions about the effectiveness and ecological impact of response methods like dispersants or controlled burning.

In the context of oil spill incidents, different opinions often arise, driven by preconceived expectations, biases, and unreliable information. Unfortunately, objectively assessing these viewpoints is hindered by inaccurate media portrayals, uncontrolled public demonstrations, and the need to make quick operational decisions.

Mismanagement of expectations can profoundly impact the outcomes of an oil spill, affecting not only the responsible party's reputation but also financial costs, clean-up efforts, and even the development of new regulatory frameworks. Transparency and engagement are crucial for building public trust and managing expectations effectively. The unfortunate reality is though that oil spills often become political events. When response efforts become distracted by misguided politics, the environment and communities are the losers.

CHALLENGES OF CAPABILITIES IN OIL SPILL RESPONSE

In recent years, the energy sector has faced profound challenges, from plummeting oil prices to the disruptions caused by a global pandemic. Simultaneously, despite the promise of higher oil prices and a growing renewables sector, an unexpected challenge is emerging - maintaining the depth and levels of highly experienced spill response personnel.

Several factors contribute to these skill shortages, with one of the primary factors being the departure of experienced professionals from the industry. After enduring years of volatile oil prices, cost-cutting, and pandemic-related upheaval, many experienced workers have left for good, taking their valuable real-world experience with them.

This isn't a new problem; the oil and gas industry has struggled with talent shortages for years. However, it's becoming increasingly difficult due to the industry's negative perception, driven by

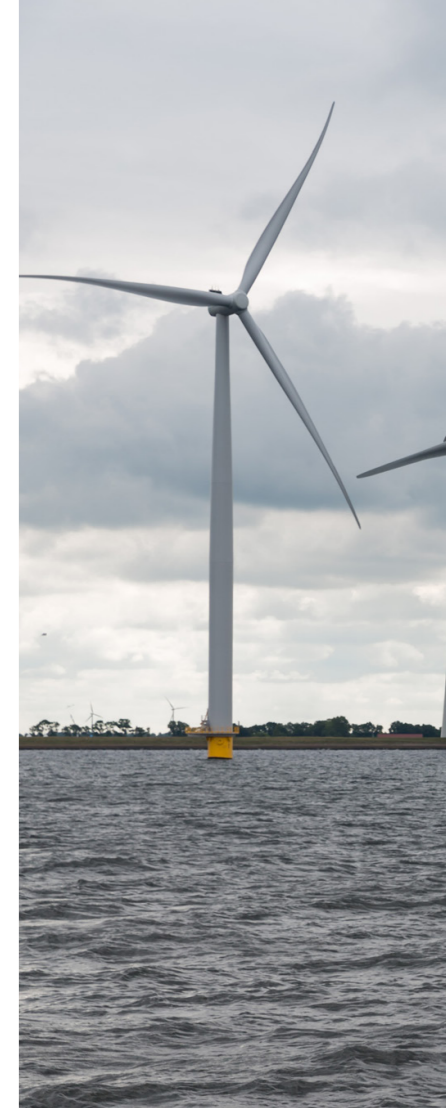


climate change concerns and media portrayals. In a 2021/2022 global report by Oil and Gas Job Search and Brunel University, 82% of recruiters reported that 1 in 10 of their open positions had been unfilled for more than three months.

In addition to the talent gap, the oil industry faces persistent scrutiny not only for the occurrence of oil spills but also for the effectiveness and environmental impact of response tools. In a landscape characterised by heightened environmental awareness and increased regulatory oversight, choosing the right response tools has become a focal point of discussion and debate. The negative perceptions of the industry further complicate this decision-making process.

Increasingly negative public perceptions towards anything the industry does, and unrealistic expectations lead to pressure to adopt response strategies that may be more favourable (or less unfavourable) to the media and public, without consideration that there are better options for minimising environmental and community impacts. The industry seeks to address the challenge of balancing trade-offs with the NEBA (Net Environmental Benefit Analysis) process, using tools like SIMA (Spill Impact Mitigation Assessment) to transparently and objectively justify strategy selection.

The question of how to develop and evolve the response toolkit is another challenge. Integrating new technologies like autonomous vehicles and artificial intelligence requires investment, but funds are often directed toward other projects and risks like cybersecurity. Evolving the response toolkit while ensuring readiness to address oil spill incidents effectively is a challenge for the entire industry.



THE CRITICAL FACTOR: ASSURANCE OF CREDIBLE CAPABILITY

Rigorous regulations governing oil industry activities, coupled with safety standards and stringent inspections, form the foundation of spill prevention. In addition to this, comprehensive training programs for industry personnel, along with risk assessments identifying vulnerabilities and guiding targeted mitigation strategies, play crucial roles.

The Tiered Preparedness and Response (TPR) model, outlined in the IPIECA/IOGP Tiered Preparedness and Response Good Practice Guide (2015), establishes a robust framework for oil spill preparedness and response. The model emphasises having the right resources in the right place at the right time. However, achieving this seemingly simple goal requires complex coordination and planning to ensure that the provided capability is resilient, reliable, and rigorous.

Successful implementation of the tiered preparedness and response framework depends on the seamless integration of resources across each Tier—Tier 1, Tier 2, and Tier 3. However, factors such as nationalisation, polarisation, populism, and post-truth trends can significantly impede the effectiveness of oil spill response efforts.

Nationalism may hinder international cooperation, limiting the sharing of crucial resources and expertise across borders. In polarised environments, decision-making can get bogged down in partisan disputes, delaying critical response actions and exacerbating spill impacts. Populist influences can skew response priorities toward short-term gains or public sentiment, potentially leading to inadequate or misguided strategies.

Moreover, post-truth trends can erode public trust in accurate information, resulting in confusion and a general distrust of official response communications. The increasing role of artificial intelligence (AI) in shaping narratives adds complexity to the situation. AI-generated narratives, becoming more sophisticated and widespread, have the potential to amplify challenges associated with oil spill preparedness and response. Determining the authenticity and credibility of information becomes more challenging. Educating individuals about effective methods to authenticate information is increasingly crucial, given instances of misinformation spreading across various social media platforms.



The process of scrutinising and validating information is a crucial step. However, the volume of work required to validate information could have direct consequences on response speed and efficiency, introducing unwarranted disruptions or burdensome tasks. Developing and integrating this capability into incident management systems will take time.

Collectively, these factors can disrupt resource allocation, hinder international collaboration, and lead to decision paralysis within response authorities, compromising the ability to mount swift and effective responses to oil spills. The industry must prioritise planning, training, and exercises to navigate political complexities, communicate accurate information, and execute timely actions that transcend partisan divides. This message isn't new; it echoes the longstanding advocacy of the industry and the long-held position that emergency response is an area where industry collaborates rather than competes.

A HOLISTIC APPROACH TO OIL SPILL AND EMERGENCY MANAGEMENT

Oil spills often intersect with natural disasters, extreme weather events, or conflicts, creating complex scenarios that demand multifaceted solutions.

In 2019, the Bahamas experienced a catastrophic oil incident caused by Hurricane Dorian. The hurricane's extreme winds damaged oil storage facilities, leading to a substantial oil spill. Responding to such situations is challenging, as safeguarding public, employee, and responder health and safety takes top priority. When there are broader threats to human life, like hurricanes, floods, and wildfires, oil spills become a

secondary concern. Coordinating oil spill response with humanitarian relief efforts adds complexity to incident management.

In such instances, building and maintaining a robust incident and crisis management capability becomes even more critical. The interplay between these compounding crises underscores the need for a response strategy that addresses complex spill scenarios and integrates seamlessly with broader emergency management protocols.

A comprehensive and forward-looking approach is essential to navigate the intricacies of compounding crises. This approach involves developing preparedness plans that encompass a spectrum of potential crisis scenarios, from oil spills coinciding with hurricanes or earthquakes to situations where geopolitical tensions exacerbate response challenges. By envisioning and strategising for these intertwined crises, response teams can ensure a higher level of readiness and agility, enabling them to adapt swiftly to evolving circumstances.

Resilience takes centre stage in this context, encompassing the ability to bounce back from individual crises and the capacity to withstand and respond effectively to the convergence of multiple challenges. Building resilience requires a dynamic and adaptable framework that integrates lessons learned from past incidents, innovative technologies, and collaborative partnerships across sectors.

Incorporating the principles of mutual aid into this equation becomes pivotal. Collaborative networks established through mutual aid agreements can provide a crucial lifeline during times of compounding crises. When facing a combination of oil spills and other emergencies, the pooling of resources,

expertise, and support from various stakeholders can significantly enhance the response's speed and effectiveness. These arrangements also foster a sense of shared responsibility and cooperation, contributing to a more cohesive and well-coordinated crisis management approach.

THE OPPORTUNITY: ADAPTING TO AN EVOLVING INDUSTRY LANDSCAPE

A collaborative approach becomes imperative as oil spill incidents' complexity and surrounding environmental sensitivities increase. Relying solely on a single company for comprehensive oil spill response capabilities may not be sufficient in navigating the evolving industry landscape.

Mutual aid arrangements foster a network of expertise, equipment, and knowledge-sharing among diverse stakeholders, including government bodies, private enterprises, and community groups.

Cooperative frameworks ensure a more adaptable and effective response strategy that can swiftly address the dynamic challenges of oil spills while also reflecting the changing regulatory, technological, and environmental factors shaping the industry. Some of the benefits include:

Multifaceted Expertise: Oil spills require a wide range of expertise, including technical, environmental, regulatory, and logistical knowledge. Collaborative alliances bring together experts from diverse fields, enabling a more holistic assessment of the situation and a more informed response strategy. This collective knowledge enhances the effectiveness of response efforts and provides diversity of perspectives leading to better outcomes.

Shared Resources: Responding to an oil spill demands significant resources, such as equipment, personnel, and funding. By forming cooperative agreements, participating entities can pool their resources and share the burden, ensuring that the response efforts are adequately supported and that critical assets are distributed where they are needed most.

Rapid Information Exchange: In the digital age, timely and accurate information is crucial for managing crises. A cooperative framework fosters transparent communication and information sharing and processing among participating organisations, enabling real-time updates on the spill's progression and the effectiveness of response measures. This information exchange allows stakeholders to make informed decisions promptly.

Regulatory and Environmental Variability:

The regulatory landscape surrounding oil spills can vary widely across different jurisdictions. Additionally, environmental conditions can influence the appropriate response strategy. Collaborative alliances accommodate these variations by bringing together representatives from different regions and backgrounds, ensuring that response efforts align with local regulations and ecological conditions.

Long-Term Preparedness:

By establishing pre-existing collaborative agreements, stakeholders can lay the groundwork for a coordinated response well before a spill occurs. This proactive approach enhances preparedness and reduces response time, leading to more effective containment and mitigation efforts.

Take Australia and Asia Pacific as an example, a diverse region with many good examples of mutual aid such as the AMOS plan, the Petroleum Industry of Malaysia Mutual Aid Group (PIMMAG) and the South Pacific Regional Environment Programme and the new Joint Industry Operational and Scientific Monitoring Plan Framework in Australia. The recent UK MAFA, launched this year, was developed in a collaboration between the OEUK ACTIV task group, OEUK members from the Wells Forum, and the Oil Spill Response Technical Group.

The GOWRS project is another example of collaboration supported by both industry and the specialist organisations involved. The ten-year project resulted in the launch of the Global Oiled Wildlife Service in 2022.

However, getting such agreements in place is only the start; making them effective requires ongoing testing of their functionality in the event of an oil spill.

ENVISIONING A COLLECTIVELY TRANSFORMED INDUSTRY

The evolving landscape of oil spill response offers a unique and timely opportunity for transformative change. As the industry navigates shifts in technology, regulations, and environmental awareness, we can draw parallels between this transformative process and the broader energy transition reshaping our global energy mix. Rather than adhering to traditional, siloed approaches, embracing a collaborative response model can be the catalyst for driving change, adaptation, and innovation within the oil spill response sector.

This collaborative approach involves forging solid partnerships among government

agencies, oil companies, research institutions, environmental organisations, and local communities. By pooling their expertise, resources, and insights, these stakeholders can collectively tackle the challenges presented by oil spills more holistically and effectively. Cross-disciplinary collaboration enhances the speed and efficiency of response efforts. It fosters the development of novel technologies, methodologies, and best practices that can significantly mitigate the ecological and economic consequences of spills.

Furthermore, this collaborative model aligns with the increasing emphasis on corporate social responsibility and sustainability within the oil and gas industry. By engaging with a diverse array of stakeholders, these companies can build trust, enhance their reputation, and demonstrate their dedication to minimising the impact of oil spills on both local ecosystems and global climate goals.

In the larger energy transition context, adopting a collaborative response approach to oil spills displays a readiness to adapt and evolve—an essential quality in an era of rapid change. Just as the energy transition necessitates embracing renewable and cleaner energy sources, the oil spill response transition calls for embracing interconnectedness, shared responsibility, and innovative thinking. In this way, the oil spill response industry can transform the narrative of oil spill response and embrace a future that prioritises preparedness.



ELEVATING INCIDENT MANAGEMENT EXCELLENCE IN RENEWABLE ENERGY: A CASE STUDY OF OSRL'S IMS TRAINING

A LEADING RENEWABLE ENERGY COMPANY SOUGHT TO ENHANCE ITS INCIDENT MANAGEMENT CAPABILITIES. THEY RECOGNISED AN OPPORTUNITY TO STRENGTHEN THEIR RESPONSE TO EMERGENCY SITUATIONS AND IMPROVE OVERALL PREPAREDNESS.

This case study explores their journey and the key successes they achieved after partnering with us for Incident Management System (IMS) training.

Renewable energy is rapidly gaining momentum as the world seeks sustainable alternatives to traditional fossil fuels. This renewable energy company and listed energy platform, stands out as a leading player with its impressive portfolio of renewable energy projects across multiple countries. With approximately 4,000 MW of attributable capacity, it boasts one of the highest renewable energy shares in the Philippines, at 87%.

THE CHALLENGE OF ENHANCING INCIDENT MANAGEMENT

Before partnering with us, our customer faced the challenge of ensuring effective incident management across their diverse operations. They recognised the importance of preparedness and sought a solution to enhance their ability to handle emergency situations efficiently. Due to them knowing about our expertise in delivering accredited IMS training and our ability to tailor any training to their specific needs, they came to us to help them prepare for any situation.

Thankfully, the company's Chief Risk Officer already understood the importance of having a robust incident management system in place. During the IMS 300 training session, he emphasised how vital it was that everyone in the organisation had an understanding of this approach in handling emergency situations effectively.

The training sessions were attended by a diverse range of participants, including senior management, executive directors, VPs, AVPs, heads of departments, senior managers, and managers, demonstrating their commitment to ensuring preparedness at all levels.

HOW OSRL RESPONDED

We successfully delivered two sessions of IMS 300 training for the customer. The Chief Risk Officer set the tone with an impactful opening speech, underlining the organisational importance of implementing IMS as a robust approach to emergency management. The training kicked off with enthusiastic participation from a wide spectrum of their leadership, including Senior Management, Executive Directors, VPs, AVPs, Heads of Departments, and Managers.

All our courses adhere to the industry's best practices and are accredited by the Nautical Institute. Designed for personnel in supervisory roles during expanding incidents,

IMS 300 provides advanced application of IMS, including reviewing IMS fundamentals, assessing incidents, setting objectives, unified commands, resource management, planning, demobilization, transfer, and termination of command. Successful completion requires prior completion of IMS 100 and IMS 200, which all participants completed online.

Surprisingly, renewable energy companies and oil spill organisations like ours come together in the same picture, as we work towards a common goal of effective incident management and emergency response. This collaboration showcases the growing importance of preparedness and risk management in the renewable energy sector.

THE RESULTS

The customer was highly satisfied with our training services. The IMS 300 training sessions conducted by our skilled professionals, empowered their teams with the knowledge and tools to implement an efficient incident management process. We ended up delivering another three sessions of IMS 300 training across two other sites the following week.

The partnership between both the customer and our company is a testament to the fact that organisations like ours have the capability to reach out to industries beyond the conventional oil and gas sector. Their decision to collaborate with us for incident management training highlights the growing recognition of the need for specialised expertise in risk management and emergency response, even in renewable energy projects. This partnership opens up new avenues for both organisations, with the potential for further similar collaborations in the future.

If you're looking to achieve similar results in enhancing your organisation's incident management and preparedness, contact us at myosrl@oilspillresponse.com. We can provide tailored IMS training solutions to meet your specific needs, ensuring that you're well-prepared to handle emergency situations effectively.

CONCLUSION

In conclusion, our customer's journey with our IMS training demonstrates the value of proactive preparedness in the renewable energy industry. Our expertise in delivering accredited training and our commitment to excellence enabled the customer to strengthen their incident management capabilities, ultimately contributing to a safer and more resilient organisation.

Their experience with our services has been highly positive, prompting them to extend the implementation of IMS 300 training to all their plants and facilities across the Philippines. The success of the initial training has led to the scheduling of additional training sessions in Manila and Bacolod. The company's interest in exploring more preparedness capability opportunities with the APAC Preparedness Solutions Team indicates the potential for further collaboration between renewable energy companies and organisations like ours.

This particular partnership between us and the customer exemplifies the importance of incident management and emergency response in the renewable energy sector. The collaboration showcases the growing recognition of the need for specialised expertise in risk management, even in renewable energy projects. The offshore wind energy sector presents a significant opportunity for generating clean energy on a large scale. As technology continues to advance and costs decrease, offshore wind energy will undoubtedly play a vital role in the transition towards a more sustainable future. With the support of governments and the collaboration of various stakeholders, offshore wind energy has the potential to revolutionise the renewable energy industry.





STRENGTHENING RESILIENCE: PRIME ENERGY'S CRISIS MANAGEMENT CAPABILITY PROGRAMME

PRIME ENERGY RESOURCES DEVELOPMENT BV, A MAJOR OIL AND GAS PLAYER, ENGAGED US TO BUILD CRISIS MANAGEMENT CAPABILITIES FOR THEIR RECENTLY ACQUIRED GAS PLATFORM IN THE PHILIPPINES. THE GAS PLATFORM IS A CRITICAL INFRASTRUCTURE THAT CONTRIBUTES ABOUT 20% OF THE ELECTRICITY REQUIREMENTS IN THE COUNTRY.

Prime Energy Resources Development BV is a leading energy company specialising in oil and gas exploration and production. They recently acquired the Malampaya gas platform in the Philippines. They recognised the importance of effective crisis management to ensure the safety of the platform and the nearby community.

With this primary focus in mind, Prime Energy needed a partner to help them build and test their crisis management capabilities. Our proven track record and expertise in incident and crisis management, combined with our extensive experience in the oil and gas industry, made us the ideal choice.

We worked with Prime Energy to develop a Crisis Management Program consisting of three phases:

- Crisis Management Plan (CMP) development
- Crisis Management Workshop and Training
- Biannual tabletop exercises to prepare for potential crisis events



We completed the CMP development phase in October 2022 and the Workshop and Training phase in January 2023. The Workshop and Training included two tabletop exercises involving a ruptured gas pipeline which resulted in a fire in the nearby community and terrorist activities at the gas platform. The third phase of biannual tabletop exercises will continue until the first quarter of 2025.

THE RESULTS

The workshop and training received overwhelmingly positive feedback, with participants citing the excellence of the training course and the highly skilled trainers. The CMT gained a deeper understanding of the crisis management process and their roles during a crisis. Seeing Prime Energy implement its CMP during the tabletop exercises was a pleasure.

The Prime Energy Managing Director was very pleased and satisfied with the delivery and result of the Workshop and Training, indicating his full support for the third phase of the program.

We are committed to supporting Prime Energy's journey to build its crisis management capabilities. The program's third phase will include scenarios involving collaboration between the Incident Management Team (IMT) and CMT and with external agencies such as the Philippine Coast Guard (PCG).

WE SUCCESSFULLY COMPLETED THE CRISIS MANAGEMENT PLAN (CMP) DEVELOPMENT PHASE IN OCTOBER 2022 AND THE WORKSHOP AND TRAINING PHASE IN JANUARY 2023, INCLUDING TABLETOP EXERCISES SIMULATING A RUPTURED GAS PIPELINE AND TERRORIST ACTIVITIES AT THE GAS PLATFORM.



EMPLOYEE SPOTLIGHT

OUR COMPANY IS MADE UP OF AMAZING PEOPLE DOING EXTRAORDINARY JOBS AND EACH ROLE HAS A UNIQUE PART TO PLAY TO HELP US DELIVER AN EXCELLENT SERVICE TO OUR MEMBERS.

We've spoken to our colleagues from around the world, to explore more about the work they do day-to-day. Each job plays an important part in helping to support our members wherever in the world they may be. This is achieved by providing preparedness, response and intervention services.

These individuals, from varied roles across the company, have each shared their experiences and described what they enjoy most about working for OSRL.



#1



KEN CHURCH

ABERDEEN DEPUTY MANAGER

Ken Church is our Aberdeen Deputy Manager. He has worked for OSRL for over 15 years. Working as Aberdeen Deputy Manager, he supports the team in Aberdeen in delivering a range of projects and events in the UKCS area. He delivers various UK-focused training courses (OPEP, MCA, ICS, etc) to members, non-members, and regulators. He also attends exercises (and occasionally spills) as a Technical Advisor, whilst carrying out a lot of member/regulator advocacy. Ken is currently the chair of the Offshore Energies UK (OEUK) Subsea Dispersant Injection Task Finish Group, where we're looking at getting clearer regulatory guidance on subsea dispersant application within the UK.

As part of his role, Ken has been responsible for bringing two supplementary services into OSRL, as project lead for the Shetland Tier 2 base and the Fishing Vessel Service, which came into practice after several years of hard work.



#2

MICHAEL SCOTT

EQUIPMENT HIRE SERVICES
(EHS) SENIOR SPECIALIST

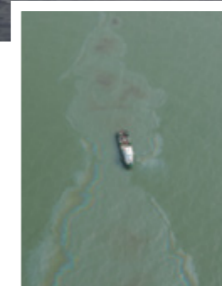
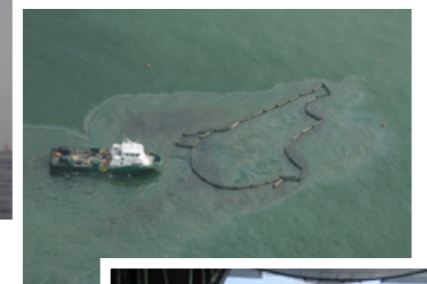
Michael Scott has worked for OSRL for 17 years as Equipment Hire Services (EHS) Senior Specialist. His role is both varied and interesting, with his regular day-to day work including; Tier 1 equipment package builds, equipment commissioning and package preparation, maintaining equipment packages overseas that are on hire to our members, training overseas for our members, port authorities, and vessel crews.

Speaking to Michael, he explained that the best thing about his job by far, is the opportunity to travel around the world. In total, he has travelled to 38 different countries, some of them on more than one occasion. From Australia, Canada and USA, to the Falkland Islands, Mauritania and Sakhalin in Russia.

Over the years, he's worked on some of the most significant events in the industry, including the Macondo spill back in 2010. He worked on a vessel spraying dispersant during the relief operations, whilst experiencing the overpowering smell of oil and the heat from the flaring.

As well as this, he has also travelled alongside One Direction on a flight back from Ghana!

"I HAVE SEEN MANY AMAZING PLACES AND DONE SOME INCREDIBLE THINGS, THAT I PROBABLY WOULD ONLY HAVE GOT TO DO THROUGH WORKING FOR OSRL. I'VE FLOWN IN THE BACK OF A HERCULES AIRCRAFT WITH THE TAILGATE DOWN WHILST CARRYING OUT DISPERSANT SPRAY TRAINING FOR THE CREW WHILST ON STANDBY IN LIBYA. AND FLOWN ON OUR SPOTTER AIRCRAFT TO CARRY OUT AERIAL SURVEILLANCE IN NIGERIA DURING A RESPONSE."





#3



RICHARD ANDERSON

EQUIPMENT HIRE
TECHNICAL LEAD

Rich Anderson is the Equipment Hire Technical Lead, based in Southampton. He's worked for OSRL for 18 years, and during that time, he's visited some incredible parts of the world as part of his role.

"Although some locations might not be on most people's holiday wish lists, they all have a certain charm that makes them great – plus, it's always nice to try a local beer you wouldn't find in the shops back home!"

Whilst working for OSRL, he has experienced some amazing things, including flying with the ADDS or Nimbus systems spraying dispersant over slicks, as well as numerous exercises. He explained that these unique experiences will last with him forever.

Over the years, Rich has worked in a variety of countries with varying climates, from extreme heat to freezing temperatures. The coldest place he's worked was Sakhalin Island at -60 degrees with added wind chill factor.

He said: "There aren't many habitable places in the world where you can feel snot up your nose freeze as soon as you step outside!"

In preparation for working in colder climates, he's completed the cold weather course in Canada, which he described as one of his highlights. During this course, he experienced using chainsaws on ice to exercise oil spill recovery on frozen rivers and working in extreme low temperatures.



#4

SIM KAI JING

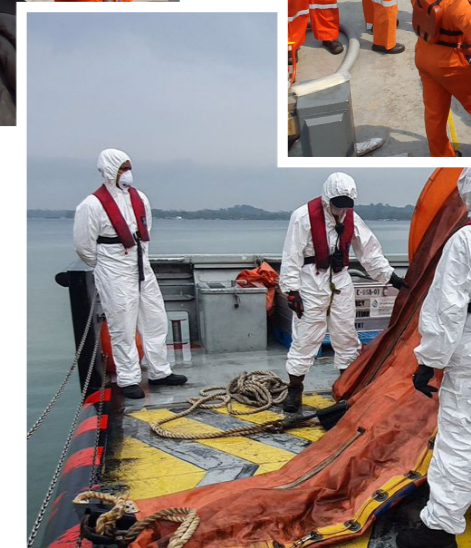
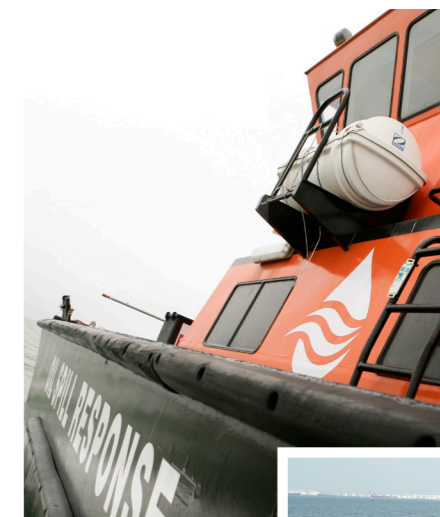
SENIOR TRAINER

Sim Kai Jing is a Senior Trainer based in Singapore and has worked for OSRL for nearly 12 years.

As a Senior Trainer, she is responsible for delivering external training courses, including IMO Level 1/2/3 Oil Spill Courses, IMS Training, Crisis Management, and more. She is also leading the Flexi-Trainer Programme, coaching and mentoring OSRL personnel as Flexi Trainers to deliver various external training courses themselves.

In her role, she keeps the phrase "The only constant in life is change" in her mind throughout her work. It's important to keep up with industry changes to ensure that each training course provides the best, most up-to-date, learning experience for the delegates.

Her motivation in her role is to continue to strive for the best experience for the people taking part in the training courses and to improve every session. If a delegate returns for another session, she hopes to offer them an even better event than before.



NEWS AROUND THE BUSINESS

DISCOVER THE LATEST HAPPENINGS FROM OUR BASES WORLDWIDE.



ABERDEEN
LUCY BLY

#1

We recently supported one of our Aberdeen members for their multi-day Tier 3 exercise. OSRL filled roles in the Operations, Logistics and Planning Sections following the ICS based incident management system.

One of the favourite parts of my job is working with our members to support response planning and execution "exercise, exercise". Although I have been doing it for a while, there are always new things to learn. This exercise involved the Norwegian authorities in addition to the UK regulators/agencies, as the scenario involved an anticipated cross-border impact. This meant that we could have a really useful and interesting conversation on cross-border cooperation and requirements for both countries in the Environment Group and Marine Response Centre meetings.

We appreciated the support from our Southampton-based colleagues in the OSRL Emergency Operations Control Room with the numerous requests.

Lucy Bly
Aberdeen Manager



NORWAY
BJØRNAR FONN

#2

NOSCA invited OSRL to present at their annual seminar in Bodo, Norway, which took place earlier this year. NOSCA is an innovation cluster and a platform for knowledge and competency sharing for marine pollution.

Over the past few years, plastic has been a significant concern for several NOSCA members. Following the case study from the clean-up operation in Sri Lanka that we delivered in 2022, NOSCA invited me to speak at this year's seminar under the topic "Technology transfer: From traditional oil spill prevention to combat marine pollution".

With our extensive experience and expertise in shoreline response, during the X-Press Peal incident, we discovered that response techniques are transferable across many areas, such as using SCAT (Shoreline Cleanup Assessment Technique) and applications to collect data to create a common operating picture (COP). We are also gaining valuable input from the industry on current gaps and how to turn our experience into guidelines for future incidents.

Scan the QR code to read more.



UK & IRELAND SPILL ASSOCIATION
ALL COMPANY

#3

We are thrilled to share our success at the UK & EIRE Spill Association Awards! OSRL has been a proud member of this organisation, and this year, we submitted nominations in four categories.

Rising Star Award to recognise the importance of new talent in the industry and celebrate outstanding achievements.

Marine/International Responder Award, a submission highlighting our Poole Harbour response, showcasing our technical expertise in collaboration with partners Adler and Allan.

Sustainability Award. As an environmental agency, sustainability is at the core of our mission. OSRL had the chance to showcase the many areas we are pushing boundaries and promoting innovation in alignment with the UN's Sustainability Development Goals.

Innovation of the Year Award, for a service or product that has significantly impacted the industry. The Scottish Fishermen Federation service earned our nomination, a project that enables a solid framework for the capability of force multiplication.

We are pleased to announce that we won in the 'Marine/International Responder' and 'Sustainability' categories! Thank you to all who contributed to our success and supported our holistic approach to sustainable operations.



TRINIDAD

KATE WHORLOW
RICHARD ANDERSON

#4

We've recently been out to Trinidad to de-pack equipment from the containers used offshore to house the equipment. We were there to package it into aircraft pallets to be shipped back to Southampton and Fort Lauderdale. The equipment was sent from different bases, and we had to ensure they were returned to the correct base.



IRELAND

RICHARD ANDERSON

#5

We recently travelled to Ireland to work through Zenith's contingency plan for the Bantry Bay area. Joining us for a table top exercise were personnel from Zenith, Port of Cork, Cork County Council and Bantry Bay Port Company.

The session allowed us to test their resilience to various scenarios and situations whilst running through their Oil Spill Contingency Plan.



THE RESPONSE
FORCE
MULTIPLIER

THE OSRL PODCAST

#6

PODCAST: THE RESPONSE
FORCE MULTIPLIER
PAUL KELWAY
EMMA SMILLIE

Earlier this year we launched our new podcast - The Response Force Multiplier. This is the ultimate emergency planning and response podcast that explores all aspects of emergency planning and response.

The Response Force Multiplier doesn't stop at emergency response - it covers everything from crisis management to emergency planning, including how to identify risks, communicate effectively during a crisis, and respond with agility to changing situations.

Listen here.



BAHRAIN
TIM COOMBS

#7

Dennis Peach and I travelled to our Bahrain Base for 11 days to conduct an Internal Flexi-Trainer and IMS 300 course as well as to assist with some Client Tailored IMO training for BAPCO.

Initially, we had five days to do six days' worth of training for our staff, and with a bit of programme adjustment, we managed to fit it in.

The first two days were the Flexi-Trainer Course, where we trained our staff on how to teach adults and how they learn with tricks and tips from our experience. This concludes with a 15-minute microteach session on a subject of their choice, integrating some of the things they learn in the session.

The IMS 300 was delivered over the next three days and involved two days of theory and then a tabletop exercise to put what they have learned into practice using the Planning P process, including the meeting and completing key forms.

We finished assisting the Bahrain Staff to deliver an IMO 2 (myself) and an IMO 3 (Dennis) before an overnight flight back to the UK.



BRAZIL
BRETT MORY
TUAN ANJOS
MARIANA BRAGA

#8

We were involved with a major mobilisation exercise with one of our members at their office in Brazil. We then invited them to our base for our traditional site visit and for talks about how we can further support them through our services.

November began with a large tabletop exercise that occurred in our member's Rio de Janeiro offices with another of their offices in Houston participating remotely, for the first time. It was a fully integrated exercise and we had the opportunity to support the member in person. OSRL personnel Leonardo, Vicente, Brett and Mariana also attended. And our Duty Managers Jack Burge, Elmer Emeric and Audrey Moore were remotely supporting us.

We participated in the Source Control (SC) Branch although everything was OSRL-related, people were coming to us. Brett had a lot to add with his subsea expertise, and Leonardo was in the SC Command Post. All the SWIS equipment was mobilised. Dispersants and the B727 aircraft were also part of the scenario.

The internal exercise was a success and a good opportunity for us to support one of our members. Executives from the company sent complimentary e-mails to our team and they were happy to have our support locally. There will be a second part of this exercise next year, with the presence of the regulators, and we will get the chance to contribute again.

HERDERS: WHAT ARE THEY AND HOW ARE OSRL LOOKING INTO THEIR USE?

We have been looking into herder technology, and how it could be added to the future OSRL response 'toolbox' for a while now so this article will explain what they are and the work we have been carrying out.

WHAT IS A HERDER?

A herder is a chemical product that contains a surface-active agent that acts on the water surrounding an oil slick and causes the oil to contract in size and so "thicken". Herders essentially "round up" the oil when applied to the margins and thicken it so it can either be ignited via in situ burning (ISB) or could be used as a chemical "boom" to deflect oil away from sensitive resources.

They have undergone extensive field and laboratory trials over the last 15 years and are pre-approved by the US regulator. However, their widespread use has been slow partly due to a misconception that they are an "ice-only" technique. This is not the case; their original testing was done off the ice-free east coast of the USA.

A relatively small amount of herder is required; for a comparable slick, orders of magnitude less herder product are needed than required to disperse the same volume of oil with a chemical dispersant.

EXPLORE THE APPROVAL JOURNEY OF THICKSLICK 6535 A REVOLUTIONARY HERDER IN OIL SPILL RESPONSE, AND WITNESS THE GAME-CHANGING CAPABILITIES OF AN AUTONOMOUS JET SKI IN ACTION.

FOCUSED DEVELOPMENT: THICKSLICK 6535

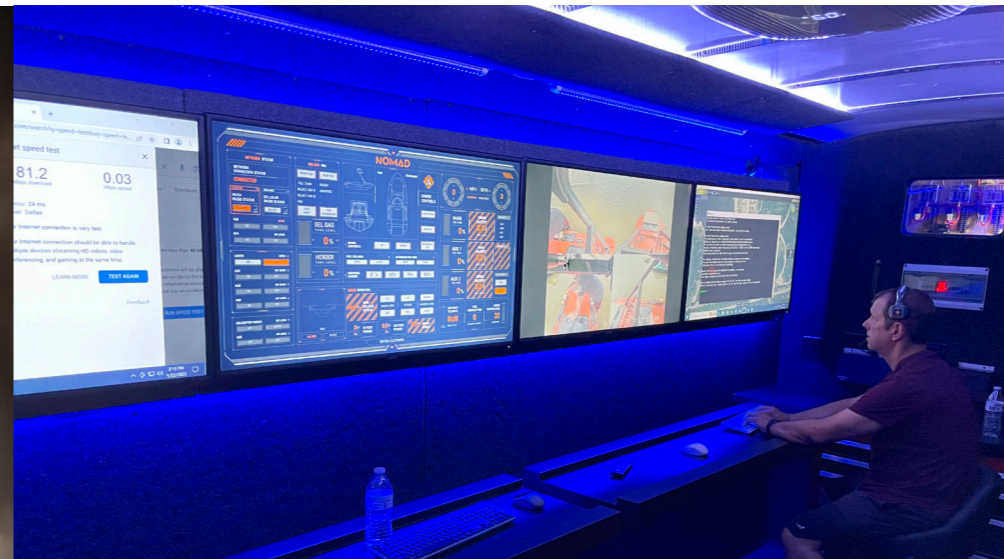
We have been focusing our attention on 'Thickslick 6535' which is already approved for use in the US. We spearheaded a Herder Working Group with OSRL members, other response cooperatives, ITOPF and a research laboratory. This has enabled us to leverage expertise, open doors, and work as a collective with a common goal.

Part of our project was to get 'Thickslick 6535' onto the UK Approved List, and we are proud to say that we've been able to achieve this following strict toxicity testing that meets the new UK requirements. A sample of herder was sent to a UK commercial testing laboratory where it underwent rigorous testing to meet the required criteria. The lab report was then submitted to the UK regulator for their approval. Thickslick 6535 is now on the UK Approved List which means it could potentially be used in a response should the NEBA case be justifiable and with authority approval at the time.

OPERATIONAL CONSIDERATIONS: HSE REQUIREMENTS AND EQUIPMENT EVALUATION

As part of our internal preparatory work to start using this technique, we evaluated the specific HSE requirements for storage, PPE, and Responder operational use. We evaluated specific herder application equipment and engaged with a cutting-edge 'autonomous jet ski' technology research project.

This jet-ski platform has been developed as an unmanned platform that is capable of herder application, ignition source and a platform for additional tasks such as surveillance. As part of the jet-ski testing, a recent set of trials at the Poker Flats (Alaska) was attended by OSRL staff for them to view the jet ski in action as it herded the oil. Then, it remotely ignited the oil and safely burned off the herded oil. They watched four tests of herding and burning and were very impressed with the capabilities of the jet ski and excited about possibilities for OSRL usage in monitoring oil scenarios remotely from a command centre.



INNOVATIVE TECHNOLOGY IN ACTION

During the Alaska exercise with the "autonomous jet ski" we understood that this piece of equipment could do multiple tasks while reducing personnel exposure to possible hazards. This technology has many capabilities, including safe zoning SWIS, gas monitoring, fluorometry, oil sampling, subsurface video recording, tethered drone video footage back to EOC, and more, which could be a massive positive for responding to oil spills effectively in the future.

WHAT'S NEXT?

In 2024 we plan to start building our operational capability for herders via product purchase, stock management, application equipment and most importantly HSE, Responder training, exercises and operational working procedures.

ALL ARE WELCOME.

If you want to join our Herder Working Group then please contact Dr Rob Holland who is leading this project: robholland@oilspillresponse.com



Scan here to watch the jet-ski testing video.

THICKSLICK 6535 IS NOW ON THE UK APPROVED LIST WHICH MEANS IT COULD POTENTIALLY BE USED IN A RESPONSE SHOULD THE NEBA CASE BE JUSTIFIABLE AND WITH AUTHORITY APPROVAL AT THE TIME.



FEATURED TRAINING COURSES 2024

WE OFFER A RANGE OF TRAINING COURSES TO HELP YOU DEVELOP YOUR OIL SPILL RESPONSE SKILLS AND KNOWLEDGE WITH OUR EXTENSIVE RANGE OF INTERACTIVE COURSES DELIVERED BY OUR EXPERTS.

SOME OF THE FEATURED COURSES THAT WE OFFER CAN HELP YOU TO ENSURE YOUR ORGANISATION IS READY TO RESPOND TO AN INCIDENT USING THE MOST APPROPRIATE TECHNIQUES.

OUR FLAGSHIP TRAINING COURSE

Develop your tactical and strategic skills in spill response management, allowing you to make effective and efficient decisions with our flagship training course.

OUR FLAGSHIP

OIL SPILL CLEARANCE ON-SCENE COMMANDER (IMO LEVEL 2 EQUIVALENT)

On this unique course of theoretical and practical training, you'll develop a sound understanding of the use of different response techniques and gain an appreciation of all aspects of oil spill response.

This is an IMO Level 2 equivalent standard course certified by the UK Maritime and Coastguard Agency.

This course is perfect for those relatively inexperienced in oil spill response. It is suitable for those who will operate in tactical, site safety or environmental support positions within Incident Management Teams or Emergency Response Team. This course is ideal for:

- Personnel required to operate within an Incident Management Team (IMT) or Emergency Response Team, including site safety positions
- Operational staff responsible for setting strategic and tactical priorities and those required to conduct response tactics
- On-scene Commanders
- Planning staff with an environmental remit

The table-top and practical exercises within this course aim to equip you with the skills and knowledge to become a key member of an oil spill response team; one with practical spill equipment knowledge and handling experience.

This course will give you the knowledge and understanding in the following areas:

- Overview of oil spill response
- Fates and effects of oil, potential environmental and economic impacts and the importance of preparedness
- Response techniques used during an incident including practical element, conducting an inland, shoreline and offshore response
- Importance of media relations during response operations and the opportunity to practice skills
- Spill termination and the liabilities that sit with responsible parties

To see a full range of courses available visit our website

<https://www.oilspillresponse.com/training/courses/>



ENVIRONMENTAL ADVISOR

The table-top and practical exercises within this course aim to equip you with the skills and knowledge to become a key member of an oil spill response team, one with practical spill equipment knowledge and handling experience.

This course will give you the knowledge and understanding in the following areas:

- Overview of oil spill response
- Fates and effects of oil, potential environmental and economic impacts and the importance of preparedness
- Response techniques used during an incident including practical element, conducting an inland, shoreline and offshore response
- Importance of media relations during response operations and the opportunity to practice skills
- Spill termination and the liabilities that sit with responsible parties



OIL SPILL RESPONSE MANAGEMENT (IMO LEVEL 3 EQUIVALENT)

This is an ideal course for those required to take the position of Incident Commander during an oil spill incident. It is also ideal for those in a position of government who are likely to be involved in emergency response and represent their jurisdiction.

- Personnel responsible for emergency response management and command of oil spill response incidents
- Decision-making managers within the oil, gas, and shipping industries
- Individuals performing the role of an Executive Commander, Incident Controller, or Incident Commander in an Emergency Response Team
- People belonging to regulatory or statutory bodies associated with emergency response
- Senior officials from Government agencies involved with spill response (Environment, Coast Guard, Navy and Army)
- Harbourmasters, Port Captains, Incident Managers at large ports

This comprehensive course looks at the fundamentals of incident management, from legal frameworks to support during an incident through to response strategies and effective communications.

This course will give you the knowledge and understanding in the following areas:

- The International Conventions and legal frameworks in place that can support an incident
- Roles of Government Agencies and industry during an incident
- Effective implementation of contingency plans
- Gaining a comprehension of the incident strategies and tactics that could be implemented throughout a response
- Appreciation of the additional hazards faced by responders during an incident
- Media expectations and effective communications whilst protecting your company's reputation



Rhea Shears, Technical Training & Development Advisor for OSRL, alumni of the Department of Environmental Sciences, has helped the University to come up with a module incorporating Oil Spill Management.

Oil Spill Response

Rhea Shears BSc Environmental Science (Hons) Response Specialist. Oil Spill Response Limited



OIL SPILL MANAGEMENT MODULE ADDED TO CRISIS AND DISASTER MANAGEMENT MASTERS COURSE AT UNIVERSITY OF PORTSMOUTH

The University of Portsmouth in the UK will now include an optional module focusing on Oil Spill Management in its Crisis and Disaster Management Masters course.

The course offers an exciting opportunity for Masters students to learn about environmental and manmade hazards, vulnerability and risk, planning and logistics, disaster response, and crisis management.

Rhea Shears, Technical Training & Development Advisor for OSRL, alumni of the Department of Environmental Sciences, has helped the University to come up with a module incorporating Oil Spill Management.

Aimed at students wishing to develop their skills in professional emergency planning and

response, the course will give insight into how OSRL effectively manages incidents. Rhea will be one of the experts giving a talk as part of the course, offering technical advice and experience from her role within the organisation. Earth Systems and Environmental Sciences at the University of Portsmouth is ranked 4th of all post-1992 universities for research quality. Unique to Portsmouth, students are able to take part in SIMEX – the UK’s largest annual international disaster response simulation exercise – for responders and agencies to practice and learn from disaster response.

The module will help students to demonstrate an in-depth understanding of what constitutes a crisis and how crisis management differs from risk management in terms of planning, response, and resourcing.



Engineering apprentice, Joe Hartley, works in our Equipment Hire Services team

A DAY IN THE LIFE OF AN APPRENTICE AT OSRL

FROM CONCEPT TO CLEANUP: UNIVERSITY OF SOUTHAMPTON STUDENTS DEVELOP ADVANCED NURDLE RECOVERY EQUIPMENT

Earlier this year, we were involved in supporting students from the University of Southampton to conduct a plastic recovery training exercise, using a piece of equipment designed by the students as part of their Mechanical Engineering Research project. As part of the project, they were also given the opportunity to sit on the industry advisory group alongside Oracle Environmental Experts, UK Spill Association, and ITOPE.

The undergraduates were completing a Group Design Project to develop a device that collects and sieves nurdles. The trial took place in Shamrock Quays Marina, Southampton, and proved to be a great success, with their device collecting approximately two million

plastic pellets from our local shoreline.

Nurdles are plastic pellets approximately 5mm in diameter and are usually transported by container ships. Nearly all plastic products are made from nurdles. If an accident happens during transportation, it can cause the plastic pellets to enter the ocean, where their toxins contaminate the water, and they can enter the food chain.

The brief given to the students was to develop a “new” piece of equipment based on current technology and industry knowledge. To help the students understand the need for this equipment, they gained information from the lessons we learned from a nurdle spill in Sri Lanka.



Engineering apprentice, Joe Hartley, works in our Equipment Hire Services team and is already learning a lot from the team around him.

In May, Joe was invited along on his first OSRL trip to visit a client in Ireland to deliver a training program to help personnel working at the company use our equipment effectively in the event of a spill. He helped to deliver theory training presentations to the client before carrying out practical training on the shoreline trailers.

The next day, the team headed out to Whiddy Island, near the head of Bantry Bay, to start the maintenance and training. As part of the training, they set a Fastank Challenge with the trainees, challenging them to go up against each other in two teams to see who could erect a Fastank the quickest. The task brought out some healthy competitiveness among colleagues, and Joe was impressed at how fast both teams managed it – the winning team completed it in 5 minutes and 7 seconds, with the runners-up only 31 seconds behind them!

As well as training, the trip was primarily to carry out the routine maintenance on our equipment, which was successfully completed and allowed Joe to test his knowledge on fixing water pumps and carrying out our general checks on the filter, fuel, and spark plugs.

Joe thoroughly enjoyed his first taste of travel with the Equipment Hire Service team in his apprenticeship and looks forward to his next adventure!

OSRL IN EDUCATION

2023 EVENTS ROUNDING UP

HERE ARE SOME OF THE INDUSTRY EVENTS THAT WE ATTENDED THROUGHOUT THIS YEAR. WE'RE LOOKING FORWARD TO ATTENDING MORE EVENTS AND SHARING OUR EXPERIENCE AND EXPERTISE WITH AUDIENCES AROUND THE WORLD AND ACROSS THE WIDER ENERGY INDUSTRY.

ENERGY TAIWAN

We participated in the Energy Taiwan event. With over 1,200 booths from 280 companies showcasing diverse renewable energy and carbon reduction solutions, the event held significance in Taiwan due to its reliance on international trade and the urgent need for carbon reduction initiatives.

In response to the commitment to achieve net-zero emissions, the industry is shifting from oil and gas to offshore wind and marine renewables. This transition introduces new risks, such as oil spills from offshore wind farms. We presented ideas to bridge knowledge gaps in responding to oil spills associated with renewables, acknowledging the potential pollutants affecting marine life through accidental releases, leaks, and operational activities.

We aim to leverage our global network and expertise in addressing oil spills to support the offshore wind industry. With a focus on helping stakeholders navigate challenges posed by marine oil pollutants, our experience can contribute to effective preparedness.



WILDLIFE WEEK

Our recent Wildlife Week emphasised the vital role of oiled wildlife response in the tiered preparedness and response framework, a milestone achieved through years of collaboration among advocates. The dedicated week aimed to globally promote best practices, with seasoned advocates stressing the importance of uniting experts, NGOs, industry, and authorities for effective disaster preparedness.

Highlights included talks by Monica Stassen of SANCCOB and Lauren Fearenga from ITOPF. Our first Spanish-speaking webinar, in affiliation with OSRL, offered tailored insights for various sectors. Collaborations with Petrobras and Aiuká focused on the Tier 2 wildlife rehabilitation organisation in Brazil.

Experts in animal care shared experiences from our global bases, detailing how they shape activities for potential disasters.



SUBSEA WELL RESPONSE FORUM

We recently attended the Subsea Well Response Forum, and used the opportunity to talk about one response and why it is important to understand the phasing of response operations for surface and subsea response.

Our Senior Technical Advisor, Neil Munro, refreshed members on the subsea toolkit available through OSRL SWIS membership, and Global Logistics Lead, David Singleton, covered the all-important logistics in ensuring the details are correct. Excellently supported by TechnipFMC, delving into more detail into the operational complexities of subsea response and Clarkson's, providing a demo of the Sea response software.



ITAC 2023

This year, ITAC was held at the National Oceanography Centre (NOC) in Southampton, UK, with a brilliant attendance of around 70 people, including OSRL Member representatives from Chevron, Equinor, ExxonMobil, Shell, and Occidental Petroleum.

As well as key stakeholders such as API, IPIECA, IMO, UK MCA, ITOPF, UK MMO, and Cedre, we also had ex-OSRL colleague Scott Read, who travelled from New Zealand to represent Maritime New Zealand, offering us insights from both sides of the coin; a regulator and a responder.

The connection with academia is an important feature of ITAC, recognising the energy industry as a big financial supporter of university-based research. This year, we had academic and research staff from the University of Portsmouth (UK), the NOC, the University of Essex (UK), Memorial University of Newfoundland (Canada), and Nova Southeastern University (USA) presenting their latest oil spill science research to the response community.

ITAC is uniquely non-commercial and is driven as part of our outreach and engagement programme, recognising the benefits of engaging our front-line response staff in an industry-focused technical discussion, which is central to developing a more effective oil spill response.

2024 EVENTS LOOKING FORWARD

ANNUAL GENERAL MEETING AND MEMBERS' FORUM

SINGAPORE (TBC)
W/C 3 JUNE 2024

The Members' Forum gives delegates the opportunity to attend workshops, meet with our OSRL experts, network with industry peers, and have the opportunity to discuss your preparedness and response needs.

OSRL's AGM will provide important information and updates about the company's performance and strategic direction. Clarkson's, providing a demo of the Sea response software.

EXTRAORDINARY GENERAL MEETING AND MEMBERS' FORUM

LONDON (TBC)
W/C 2 DECEMBER 2024

The Members' Forum gives delegates the opportunity to attend workshops, meet with our OSRL experts, network with industry peers, and have the opportunity to discuss your preparedness and response needs.

ITAC 2024
FORT LAUDERDALE
NOVEMBER 2024

REPORT OF ACTIVITY 2023

AS WE WRAP UP 2023, JOIN US IN REFLECTING ON HOW WE'VE NAVIGATED THE EVOLVING ENERGY LANDSCAPE WITH A COMMITMENT TO SAFETY AND INNOVATION.

As we reach the end of another year, this is a great opportunity to reflect upon what we have achieved as an organisation. We have continued to use flexible/hybrid working at our bases and offices across the world, which has seen most personnel working a minimum of two to three days per week on-site.

We have collaborated with members, government, and industry stakeholders worldwide to promote industry good practices as well as broadcasting key messages of spill preparedness and response readiness. Over the year we have attended and exhibited at many key industry conferences and delivered forums in seven countries.

As a member-owned organisation, direct engagement with our ~170 members through OSRL-Member preparedness reviews, provided a vital opportunity to help maintain response readiness and how we can improve.

The Subsea Well Intervention Services (SWIS) continue to expand the portfolio of services we offer. Across the whole range of OSRL's response and preparedness activities, we continue to enhance our capabilities. As the Energy transition moves forward, we have continued to grow our offering to meet the future needs of the industry better.

As ever, we are committed to ensuring safety is at the forefront of our organisation and this year we have released a revised health and safety handbook. This update includes the IOGP Life Saving Rules and Toolbox Risk Identification to promote the safe utilisation of tools.



We have responded to a wide range of incident scenarios across the world and addressed many challenges in the process. We have also marked a significant milestone with the first operational use of our 727 aircraft.

In 2023, our Cyber Defence strategy remained a priority in our IT activity. Our roadmap has included further modernisation of our Network hardware, new Cyber awareness training partner, and our first Cyber Attack Exercise. The Exercise simulated a total loss of our Office

365 toolset, and we were able to build a comprehensive assessment of our ability to retain communication and to respond.

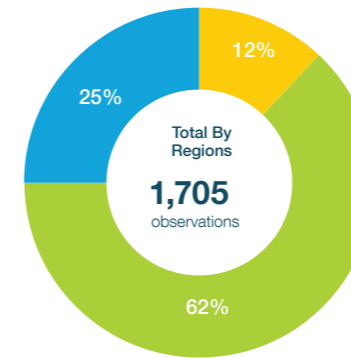
Overall we have had another busy year in our response and preparedness activities and continue to verify our capabilities. As the Energy landscape continues to evolve, we will endeavour to grow our offering to continue to meet the future needs of the industry.



SAFEGUARDING OUR WORKPLACE: A HOLISTIC APPROACH TO HEALTH AND SAFETY EMPOWERING INDIVIDUALS, NURTURING A SECURE ENVIRONMENT

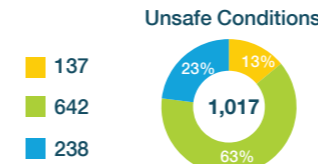
LEGEND
AMER EMEA APAC

OBSERVATIONS



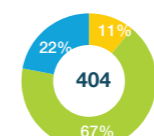
212 1,063 430

0 Lost Time Incident
7 Non Lost Time Incidents



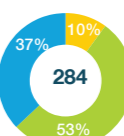
137
642
238

Unsafe Acts

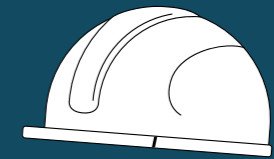
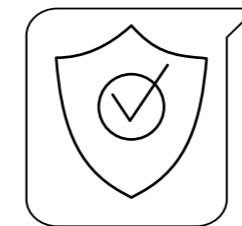


46
271
87

Safe Acts



29
150
105



SAFETY

As of 1 November 2023

Navigating Wellness: A revised guide to health and safety

In our ongoing commitment to fostering a robust safety culture, we are pleased to announce the release of a revised health and safety handbook. This updated version places enhanced emphasis on mental health and wellbeing, along with a focus on the human factors, reflecting our holistic approach to employee welfare.

Integrated with the IOGP Life Saving Rules, the handbook serves as a crucial reminder of core safety principles, demonstrating our commitment to a secure working environment. It explicitly incorporates health and safety considerations into operational aspects, such as activity planning, risk assessment, and tool utilization like the Toolbox Risk Identification Card (TRIC).

Available both in print and digitally accessible by scanning a QR code, the handbook aims to keep all stakeholders, including visitors, contractors, and staff, well-informed about our safety culture and the resources available for their support.



Scan here to view the OSRL Health and Safety Handbook

OSRL HAS BEEN PIVOTAL IN ADDRESSING DIVERSE OIL SPILL INCIDENTS. OUR SKILLED RESPONDERS CONTRIBUTED TO CONTAINMENT, CLEANUP, AND COLLABORATIVE EFFORTS, SHOWCASING A COMMITMENT TO ENVIRONMENTAL STEWARDSHIP GLOBALLY.



Offshore	25
Pipeline	7
Inland/Downstream	4
Inland/Upstream	3
Shipping	6
Port	4
Others	0



Internal	237
Members	151

RESPONSE

Q4 2022 to Q3 2023

United Kingdom
Reservoir fluid escape into Poole Harbour

- 5 x 5 Technical Advisors were initially mobilised with 17 onsite responders supporting at its peak
- Activities: Oil clean-up, contractor management, SCAT Surveys, aerial surveillance
- Responder Days: 373

Peru
Rupture during vessel offloading due to aftershock waves from a seismic event

- Ongoing response since Jan 2022, demobilised on 15 Aug 2023
- Activities: Supporting member, liaising with government agencies, shoreline clean-up
- Responder Days: 330

Nigeria
FPSO offloading hose failure

- IMT Technical Advice
- 727 aircraft (5 x sorties) - First active incident use
- Dispersant effectiveness monitoring
- Responder Days: Ongoing (as of 27 November 2023)

Responding to oil spills with expertise and dedication

Our global response efforts span diverse locations, addressing environmental challenges caused by oil spills. Notably, we're actively engaged in responding to a spill in Nigeria, marking a significant milestone with the first operational use of the 727 aircraft. Our dedicated responders collaborate internationally, employing expertise to mitigate environmental impacts.



2023 SIGNIFICANT RESPONSES

Gibraltar
Surveillance during the planned lift of OS35 vessel

- OSRL remobilised to provide surveillance from the top of the Rock of Gibraltar
- OSRL responded initially in September 2022
- Activities: SCAT surveys, offshore containment and recovery
- Responder Days: 42

Saudi Arabia
Pipeline flushing operation

- Up to 15 responders initially, reduced to eight later
- Activities: Equipment training, aerial surveillance, offshore C&R
- Responder Days: 1,661

Thailand (Refinery Incident)
Ruptured pipeline at a refinery

- Three Technical Advisors and the C130 aerial dispersant aircraft were deployed
- Responder Days: 15

Thailand (FSO Vessel Incident)
Flooding in the engine compartments of an FSO vessel

- Two Technical Advisors onsite, one supported remotely
- FSO was carrying 400,000 barrels of product at that time
- Activities: Developing a response plan
- Responder Days: 25

Angola
Scheduled subsea well intervention

- OSRL pre-positioned equipment, gas monitors, and a fluorometer
- Three responders arrived in-country and engaged in training exercises offshore
- Responder Days: 60

Yemen
Standby during FSO Safer ship-to-ship transfer

- United Nations Development Programme (UNDP) mobilised two personnel, the B727 dispersant application aircraft and 110m³ of Slickgone dispersant on standby
- Responder Days: 55

Philippines
Oil spill from sinking ship

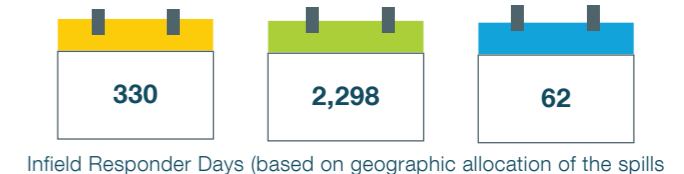
- Two Technical Advisors and trajectory modelling support was provided
- Activities: Site visits, recommendations on response strategies
- Responder Days: 15

LEGEND
AMER EMEA APAC

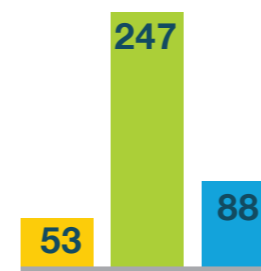
SPILLS / POTENTIAL SPILLS



NUMBER OF INFIELD RESPONDER DAYS



TYPES OF EXERCISES (BY REGION)



TOTAL DUTY MANAGER CALLS FOR TECHNICAL ADVISORS (TA) / EXERCISES / SPILLS

0 TA Call	4 TA Call	9 TA Call
13 Exercise Calls	72 Exercise Calls	25 Exercise Calls
1 Spill Case	13 Spill Case	4 Spill Case



INCOME BY DEPARTMENT

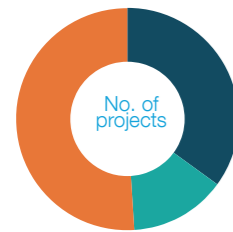


■ Consultancy (32%)	2,218
■ Equipment Hire Services (51%)	3,494
■ Training (17%)	1,167
TOTAL	6,879



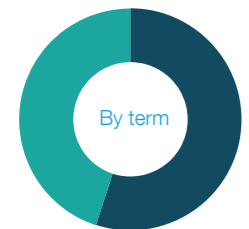
NUMBER OF PROJECTS

BY DEPARTMENT



■ Consultancy (35%)	83
■ Equipment Hire Service (14%)	33
■ Training (51%)	120
Total	236

EQUIPMENT HIRE



■ Long Term (55%)	18
■ Short Term (45%)	15
Total	33

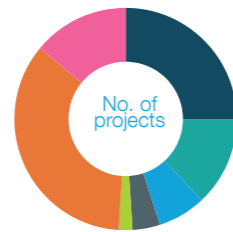
PREPAREDNESS

January - October 2023

Strengthening Industry Resilience: Enhancing Preparedness for a Safer Tomorrow



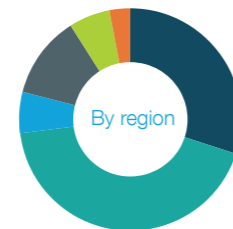
BY DELIVERY STREAM



■ Consultancy (25%)	63
■ Equipment Hire Service (13%)	33
■ Geomatics (7%)	18
■ Secondments (4%)	11
■ SWIS Consultancy (2%)	6
■ Training - Client Tailored (34%)	86
■ Training - Published (14%)	34
Total	251

*Duplication will exist if a project covers more than one revenue stream.

EQUIPMENT HIRE



■ Europe (30%)	10
■ West Africa (42%)	14
■ East Africa (6%)	2
■ Americas (12%)	4
■ Asia (6%)	2
■ Middle East (3%)	1
Total	33

ENGAGEMENT METRICS

FOLLOWERS



EVENT PARTICIPATION



DIGITAL CONTENT INTERACTIONS



ENGAGEMENT

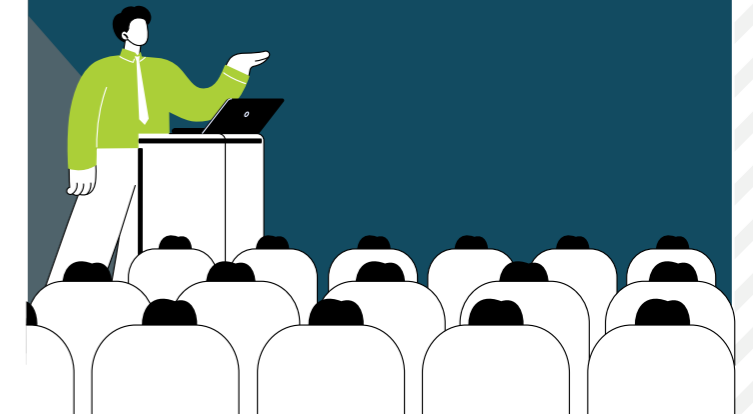
A Year of Engagements: Collaborative Initiatives and Knowledge Dissemination

In 2023, our global and regional outreach teams facilitated collaborations with members, governments, and industry stakeholders worldwide, driving industry best practices for spill preparedness and response. At the forefront was our participation in SpillCon's oil pollution prevention conference in Brisbane, Australia, where OSRL made substantial contributions to six presentations and two collocated workshops.

Beyond traditional conferences, OSRL led forums engaging stakeholders on a country/ regional level, tailoring content for maximum impact. In 2023, we conducted forums in Brazil, Gabon, Nigeria, Namibia, Senegal, India, Cambodia, and a regional Middle East forum in Bahrain.

Digitally, our contributions thrived with webinars, thought-leadership articles, and the launch of "The Response Force Multiplier" podcast series. Covering crucial topics like Crisis Exercises, Turning Pressure Into Performance, and Navigating the AI Revolution, these platforms offered expert insights.

Direct engagement with our ~170 members through OSRL-Member preparedness reviews proved vital for maintaining response readiness and identifying improvement opportunities, guided by our response specialists and preparedness solutions advisors. Our AGM and EGM events continued to facilitate face-to-face interactions, allowing co-scheduled technical forums and OSRL-sponsored training sessions for added Member value.



**IT ACHIEVEMENTS AND
ADVANCEMENTS IN 2023**

STRENGTHENING RESILIENCE
THROUGH MODERNISATION, TRAINING,
AND STRATEGIC PARTNERSHIPS

In 2023 our Cyber Defence strategy remained front and centre in our IT activity. Our road-map has included further modernisation of our Network hardware, new Cyber awareness training partner and our first Cyber Attack Exercise. The Exercise simulated a total loss of our Office 365 toolset, and we were able to build a comprehensive assessment of our ability to retain communication and to respond. Our resilience to such an attack was improved by the introduction of an O365 back-up solution earlier in the year.

For our teams we have updated our IT & Cyber Policy, and everyone assigned a connected training module. Driving Cyber awareness is constantly underway through an annual ongoing programme of Phishing Testing, updates, and monthly training.

Our pre-emptive Managed Assurance programme included an external review of our Cyber Target Operating Model. This involved many internal stakeholders. This benchmark will influence our priorities and refine some internal processes to enhance security. We also continue to develop our partnership with our members and have contributed to multiple audits.

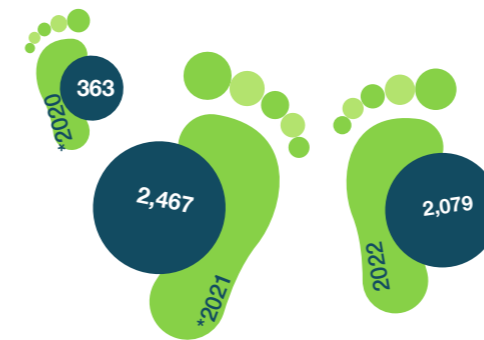


CYBER SECURITY

Fortifying Digital
Defences: **Highlights of
Our 2023 IT Initiatives**

OSRL IS UNVEILING ITS
**INAUGURAL ESG REPORT
IN Q2 2024**, HIGHLIGHTING OUR
COMMITMENT TO SUSTAINABILITY,
TRANSPARENCY, AND
DECARBONIZATION GOALS ACROSS
OPERATIONS.

**SUSTAINABILITY
CARBON EMISSIONS**



Metric tonnes, excluding aviation fuel.

*Southampton and Singapore only. Fort Lauderdale and Bahrain included from 2022 onwards.

**GENDER DISTRIBUTION
ACROSS JOB GRADES**

EXECUTIVE TEAM



SENIOR MANAGERS



EMPLOYEES



ENVIRONMENTAL, SOCIAL AND GOVERNANCE

Advancing Sustainable
Practices: **Fostering
Environmental, Social, and
Governance Resilience**

OSRL's non-financial reporting model includes a goal to issue our first standalone Environmental, Social and Governance (ESG) report in Q2 2024.

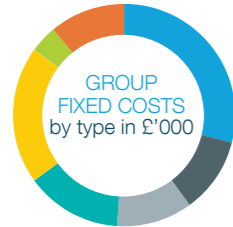
This will include information on OSRL's reporting framework, de-carbonisation goals, greenhouse gas emissions, high level safety data and environmental, social and governance reporting.

Over 2022 and 2023 OSRL have increased the reporting scope for greenhouse gas emissions to include data from four operational bases and will continue to bring in reporting from more bases as accurate data becomes readily accessible and available. Where available, data from all three scopes is provided, including upstream and downstream emissions.

The ESG report will provide decarbonisation goals and initiatives to reduce emissions and a more detailed breakdown of our ESG program. High level reporting will continue to feature in the annual Report of Activity.



FINANCIAL REPORT FULL YEAR FORECAST



Staff Costs (29%)	28,256
Premises (11%)	10,540
Maintenance (11%)	10,414
Aviation (14%)	13,304
Depreciation (20%)	19,349
Finance Charges (4%)	3,838
Others (12%)	11,341
TOTAL	97,044

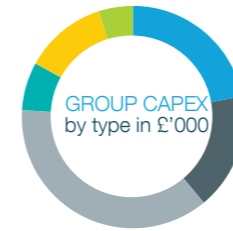
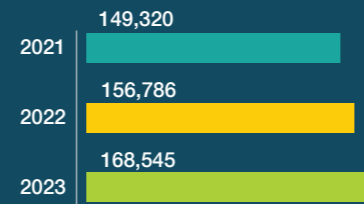


Response (33%)	32,344
Commercial (9%)	9,058
Subsea Well Intervention Services (49%)	47,754
Global Dispersant Stockpile (3%)	3,283
Regional Supplementary Services (4%)	3,890
Support Services (1%)	714
TOTAL	97,044

FINANCE

Financial Review: Reflecting on the Year's Fiscal Landscape

MEMBERSHIP Subscription Fees (100 shares)



Response SLA (22%)	880
Commercial (17%)	701
Subsea Well Intervention Services (36%)	1,470
IT (7%)	298
Infrastructure (12%)	500
Supplementary Services (5%)	212
TOTAL	4,061



Participants & Associates SLA (30%)	33,186
Spill (3%)	3,115
Commercial (9%)	9,471
Subsea Well Intervention Services (51%)	55,051
Global Dispersant Stockpile (3%)	2,710
Regional Supplementary Services (4%)	4,329
TOTAL	107,863

SUMMARY IN £'000

TOTAL CAPEX	4,061
TOTAL FIXED COSTS	97,044
TOTAL INCOME	107,863





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