



Oil Spill Response Training

Your preferred partner on the journey towards a cleaner tomorrow

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Secure your organisation's future with environmental preparedness



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Trusted Service Provider

After 40 years of operating in the field of environmental and ecosystem protection, there is now more demand for Lamor's expertise than ever before. The green transition increases the need for comprehensive environmental solutions, and global growth in environmental investments offers new growth opportunities not only for Lamor but also for other Finnish companies.

Lamor, established by the Larsen family in 1982, was originally called Larsen Marine Oil Recovery. Today, the company is specialised in environmental services, products and training. Lamor found its business idea when it had to come up with new uses for the fleet originally acquired for the shipping operations, as trade in certain regions reduced significantly in the 1980s. It turned out that there was need for oil spill response equipment in the heavily trafficked Baltic Sea, which at the time lacked any equipment for responding to spills.



The IMO OPRC convention places a duty on all the signatory countries to have in place a contingency and preparedness for spills and pollution. This is now law in many countries with ports having a statutory responsibility to comply. Inherent in this OPRC preparedness requirement is the need to have suitably trained personnel, from senior management through to those persons involved in the physical clean-up operations.



Lamor provides an extensive mix of training courses and modules to suit the needs of its diverse client base and the very broad demands of industry and government practitioners. The training course accreditation is granted by the Nautical Institute on behalf of the IMO, UK MCA and IPIECA. The names of all Lamor trainers are registered with the Nautical Institute.



The courses are presented mainly in the English language. Lamor recognises the need to deliver regional courses where possible in the local dialect which they can also accommodate through the regional satellite bases as well as through collaboration with Associates. If required translators can be supplied upon request.

IMO OPRC Level 1 First Responder

Course Duration

3 days

Max No of Delegates

25

Venue Werkendam, Netherlands

- 14-16 April
- 7-9 July
- 22-24 September

Price

1300 euros per delegate

Course contents



- Overview of Spill Response
- Spilt Oil Behaviour, Fate & Effects
- Site & Responder Safety
- Response Planning
- Booms & Booming Techniques
- Oil Recovery Systems
- Absorbent Materials
- Shoreline Clean-up
- Dispersant Systems
- Waste Storage & Disposal
- Sampling Techniques
- Environmental Considerations



Delegates attend a three day course either at a Lamor Training Centre or at their own premises. The course includes award of an Internationally recognised IMO OPRC Certificate for First Responders (IMO level 1).

- The IMO Level 1 is very much a practical course for personnel involved in the front line clean-up of oil spills. All practical work is backed up with classroom theory and syndicate exercises.
- The course is designed for those who have a role or responsibility within their organisation for on-site response to oil spills, or for nominated oil spill response team members. There is a complete overview of the various techniques for recovering spilled oil and cleaning polluted shorelines so that attendees can become more effective participants in an oil spill response team and be aware of other issues that are occurring during a spill.
- Responder safety is a key priority on the course and becomes a recurrent theme to ensure occupational hygiene and job safety issues are dealt with effectively.
- The course follows the issues of international oil spill operations, covering all areas of the globe and all types of shoreline and operating conditions. However, it is normal for course exercises to be as appropriate to the delegate as possible, the course team will take into account the climate, shoreline topography, local and national contingency plans and local equipment stockpiles.

IMO OPRC Level 2 On Scene Commander



Course Duration

4 days

Max No of Delegates

25

Venue Werkendam, Netherlands

- 8-11 April
- 1-4 July
- 16-19 September

Price

1750 euros per delegate

Course contents



- Overview of Spill Response
- Spilt Oil Behaviour, Fate & Effects
- Responder Safety
- Response Planning
- Booms & Booming Techniques
- Oil Recovery Systems
- Command & Control
- Shoreline Clean-up
- Dispersant Systems
- Waste Storage & Disposal
- Sampling Techniques
- Environmental Considerations

Delegates attend a four day course at a Lamor training centre, a convenient central location or at their own premises. The course includes the award of an internationally recognised IMO OPRC Certificate for On Scene Commanders (IMO level 2).

- This 4 day course is specifically tailored to meet IMO OPRC International and Domestic legislation requirements, being management orientated, with table-top exercises and site visits, whilst the practical equipment deployment and front line operations supervision is covered in the IMO OPRC level 1 course.
- The course is for managers, local government officials, harbourmasters and senior members of an incident response team who need to be able to manage and coordinate an oil spill response safely and effectively, whether it's impacting coastal waters, port or harbours, inland waterways, stranding on the shoreline or remaining afloat.
- The course topics cover the essential elements of management, command and control of oil spill incidents for which the spill response team should be properly prepared, trained and exercised for through the IMO OPRC level 1 course.
- An essential part of any response is to have an effective Contingency Plan, how to put one together, the essential information required and various other measures which require consideration and need to be put in place prior to an incident occurring are covered. Where the course is run at the clients site, course participants may use the contingency planning syndicate work to evaluate their own site contingency plans.
- The course is classroom orientated with syndicate exercises, table top exercises and site visits. Despite the strong lean of the course towards theory it is suited to both remote managers, hands on beach masters and incident managers.

IMO OPRC Level 3 Chief Executives and Senior Administrator

Course Duration

3 days

Max No of Delegates

25

Venue: Werkendam, Netherlands

- 10-12 June
- 7-9 October

Price

1450 euros per delegate

Course contents



- Background Knowledge
- International Conventions
- The Legal Framework
- Response Planning
- Strategies & Limitations
- Command & Control
- Media Management
- Compensation Regimes
- Incident Review
- Environmental Considerations



In many significant oil spill situations industries work in close partnership with local government operatives causing a need for high level integration between civil and commercial. Additionally, the shockwave of a major incident can impact all persons at all levels in the affected organisation. Politicians, Corporate Executives and NGOs need to have an understanding of the issues that may affect them during an incident of any significance, the Lamor IMO-3 undertakes to set a level of understanding between the field operatives and the brand managers.

- This 3 day course is given as a seminar specifically tailored to meet the IMO OPRC requirements, with an emphasis on response strategies and tactics, and does not cover spill response management, procedures or operations which are covered by the IMO OPRC Level 1 and Level 2 courses.
- This course is ideally suited to Government Ministers, Chief Executive Officers, Senior Administrators (who are not involved in direct spill response) and Board Directors from National Maritime Authorities, Harbour Boards, Government Departments, Port Authorities, Oil Refineries and Terminal Operators, local Government Authorities, Environmental Regulators/ Agencies and also Owners of Industrial Companies involved in the transportation and handling of bulk hydrocarbons.
- The courses are for those personnel who are not required to have extensive experience in oil spill response but do have a senior executive role and responsibility for ensuring such capabilities together with the requisite contingency plans and incident management systems that exist in their country, Government department or Organisation, so as to minimise any economic and political damage in the event that a spill should occur.

Upon completing the seminar, delegates will receive an internationally recognised IMO OPRC Level 3 Certificate.

Incident Management System ICS 100, ICS 200 & ICS 300



Course Duration

4 days

Max No of Delegates

25

Venue Werkendam, Netherlands

18-21 November

Price

1750 euros per delegate

Course contents



- Principles and Structure
- ICS Terminology
- Incident Action Plans
- Command Models
- Reactive and Proactive Phases
- The Planning Cycle
- Incident Assessment
- Incident Demobilisation
- Scenario Based TTEX

The ICS Course aims to train people on how to manage an expanding incident whether it be a natural disaster or an event influenced by human activity. The 4 day course is theoretically based and designed for staff with a response role within their organisation and who may be required to manage an expanding incident following a major event.

- The course is of a theoretical nature with interactive sessions that assist in the learning process. The course can either be held at a Lamor training facility or at a suitable location, convenient for the delegates.
- During the first day the ICS 100/200 Introduction to the Incident Command System provides a platform and knowledge for a higher level of ICS training. It describes some of the key features and structures that can be used for an initial response. On the second and third day the ICS 300 provides training and resources for personnel that require an advanced knowledge and application of the incident management process.
- The course focuses on the tools, practices and procedures that can assist and effectively manage an escalating incident. The ICS 300 course expands on knowledge gained in the ICS 100 and 200 course on the first day and culminates in a process orientated in role play TTEX.

Upon completing the course, delegates will receive a Certificate of Attendance.

Shoreline Clean-up and Assessment Technique (SCAT)

Course Duration

2 days

Max No of Delegates

25

Venue Werkendam, Netherlands

- 2-4 April
- 2-3 October
- 5-6 June
- 13-14 November

Price

1750 euros per delegate

Course contents



- Conduct Reconnaissance Survey(s).
- Segment the Shoreline.
- Assign Teams and Conduct SCAT Surveys.
- Develop Clean-up Guidelines and Endpoints.
- Submit Survey Reports and Shoreline Oiling Sketches to the Planning Section.
- Monitor Effectiveness of Clean-Up.
- Conduct Post-Clean-Up Inspections.
- Conduct Final Evaluation of Clean-up Activities.



Shoreline Cleanup and Assessment Technique (SCAT) is a systematic method for surveying an affected shoreline after an oil spill.

- The SCAT method originated during the response to the 1989 Exxon Valdez oil spill, when responders needed a systematic way to document the spill's impacts on many miles of affected shoreline. The SCAT approach uses standardized terminology to document shoreline oiling conditions.
- SCAT is designed to support decision-making for shoreline clean-up. It is flexible in its scale of surveys and in the detail of datasets collected.
- SCAT is a regular part of the oil spill response. SCAT surveys begin early in the response to assess initial shoreline conditions, and ideally continue to work in advance of operational clean-up. Surveys continue during the response to verify shoreline oiling, clean-up effectiveness, and eventually, to conduct final evaluations of shorelines to ensure they meet clean-up endpoints.

The SCAT process includes eight basic steps:

- Conduct reconnaissance survey(s).
- Segment the shoreline.
- Assign teams and conduct SCAT surveys.
- Develop clean-up guidelines and endpoints.
- Submit survey reports and shoreline oiling sketches to the Planning Section.
- Monitor effectiveness of clean-up.
- Conduct post-clean-up inspections.
- Conduct final evaluation of clean-up activities.

Upon completing the course, delegates will receive a Certificate of Attendance.

Skilled Observer Course



Course Duration

1 day

Max No of Delegates

20

Venue Werkendam, Netherlands

- 15 September
- 17 November

Price

650 euros per delegate

Course contents



- Spilt Oil Fate
- Flight Planning
- Search Patterns
- Environmental Impacts
- Quantification
- Reporting & Briefings
- Tracking & Scanning Equipment

The role of the skilled observer cannot be overstated as part of a successful response. By having a competent set of eyes reporting in to the command rooms, decisions can be made using valid observations as their base.

- For a response centre, having a skilled observer as part of the front line operations can be the difference between a successful compensation claim and an unsuccessful one. Likewise, the effectiveness of a tactical response relies heavily on the correct identification of spilt oil, environmental impacts and the efficacy of the response strategies.
- Subject matter includes flight planning and pilot briefing including the use of standard aeronautical terms and communication systems. Syndicate work will include the evaluation of presented scenarios, the plotting and determination of spilt oil movement and weathering processes.
- Discussions and presentations include the use of technology, photography and job aids to compile a standard format over flight report. Participants will use this experience to collect data and make an over flight report and presentation.
- Where possible, the use of an aircraft will allow the participants to plan and execute an over flight. Equipment demonstrations will range from the personal equipment carried by the observer through to the use of computer plotting and simulation systems.
- Upon completion of the course, participants will be confident in arranging, undertaking and reporting on an over flight or reconnaissance sortie from a variety of observation platforms (including cliff top observations and the use of marine craft).
- All response theatres will be explored; including shorelines, offshore, ports, estuaries and rivers. Participants will leave the course confident in the quantification of oil spills and predicting weathering trends.

Upon completing the course, delegates will receive a Certificate of Attendance.





Let's clean the world

Lamor in brief

Lamor is one of the world's leading providers of environmental solutions. For four decades, we have worked to clean up and prevent environmental incidents on land and at sea.

Environmental protection, soil remediation and material recycling: Our innovative technologies, services and tailored solutions, ranging from oil spill response, waste management and water treatment to soil remediation and plastic recycling, benefit customers and environments all over the world.

We are capable of vast and fast operations thanks to our connected ecosystem of local partners, steered by our experts. Lamor's share is listed on the Nasdaq Helsinki (ticker: LAMOR). Further information: www.lamor.com