

**TRAINING TITLE**

**Oil Spill IMO I, II, III**

**Training Duration**

5 days

**Training Venue and Dates**

LM2023	Oil Spill IMO I, II, III	5	05-09 February 2024	\$6,500	London, UK
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In any of the 5-star hotels. The exact venue will be informed later.

**Training Fees**

- \$6,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

**Training Certificate**

Define Management Consultants Certificate of course completion will be issued to all attendees.

**TRAINING WORKSHOP DESCRIPTION**

The course focuses on and provides in-depth knowledge and skills for on-site **first response** to **Oil Spills** with emphasis on **Combating** various **Recovery technologies** and **Clean -up** methods.

**TRAINING OBJECTIVES:**

**After completing the training, the employee will:**

- Understand oil behavior when spill & hazard associated and combating techniques as per IMO classifying level I, II, III. This course will be tailored for each instance based on the target attendees.

**WHO SHOULD ATTEND?**

This course is designed for all technicians or supervisors who will participate in oil spill response teams or manage logistics and waste disposal in the field.

**TRAINING METHODOLOGY**

This course combines sound engineering, operation and maintenance principles, applicable standards and best industry practices for reliable and cost-effective process plant systems. Delegates will be encouraged to introduce problems of their own for discussion and analysis. Copies of all lecture materials, case studies and workbooks will be provided.

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Group discussions will be carried out on problems faced. This training program is lecture-based and customized to the needs of the audience, providing meaningful experience for personnel that work in petroleum plants. Daily sessions include formal presentation, prepared in the Power Point, interspersed with directed discussions and case study. In addition to formal lectures and discussions, the delegates will learn by active participation through the use of problem-solving exercises, group discussions, analysis of real-life case studies etc. Many relevant videos will be shown during the training.

All attendees receive a course manual as a reference.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

## **COURSE PROGRAM**

### 1. Introduction to Oil Spill

### 2. Source of Oil Spill

### 3. The major Oil Spill Incident

- Exxon Valdez Incident
- Erika
- Prestige
- Gulf of Mexico

*(Video movies)*

### 4. Impact of Oil Spill on the Environmental Resources

### 5. Oil spill behavior and Migration

### 6. Tier Response

- *Tier I*
- *Tier II*
- *Tier III*

### 7. Oil Spill Contingency Plan

® *Introduction to the plan*

® *Definitions*

® *Objectives*

### 8. Oil Spill Combating Strategies

- *Natural Dispersion*
- *Mechanical Removal (Video movies)*
- *Chemical Dispersion (Video movies)*
- *Granting Standard Approval for the use of Dispersant*

### 9. Notification plan and reporting

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10. Management of Oil Spill Contingency Plan (*Video movies*)

- *Crisis Management Team*
- *Training, Awareness and Drills*
- *Communication*
- *Control Room*

11. Drill and Exercise

12. Shoreline Cleaning and Waste Management

**DAILY COURSE OUTLINE**

<i>Day 1</i>	
Session 1	Introduction to the course
	Introduction to Oil Spill
	Source of Oil Spill
	Oil properties (viscosity, density, flash point, sp.gr., boiling point, solubility, etc.)
Session 2	Oil Spill Incidents statistics
	Major oil spill incidents Exxon Valdez. Erika, Prestige, Gulf of Mexico
	<i>Video movies for Exxon Valdez &amp; Erika Incidents</i>
Session 3	Fate of oil slick
	Oil spill migration
	Assessment the slick drift
<i>Day 2</i>	
Session 1	Effect of Oil Spill on Marine and Coastal Resources
Session 2	(Coral reefs, ports, fishing farms, marine animal, seaweed cultivation, fishing, etc.)
Session 3	<i>Video movies for Erika Incident</i>
<i>Day 3</i>	
Session1	Containment of Oil Spill (BOOMS) <ul style="list-style-type: none"> <li>• Types of booms</li> <li>• Physical properties of booms</li> </ul>

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	<ul style="list-style-type: none"> <li>• Deployment of booms</li> </ul>
Session 2	<i>Video movies for booms deployment</i>
Session 3	Recovery of Oil Spill Technologies: <ul style="list-style-type: none"> <li>• Suction devices</li> <li>• Oleophelic Skimmers</li> <li>• Induction devices</li> <li>• Pumps</li> <li>• Vacuum trucks</li> </ul>
<b>Day 4</b>	
Session 1	<ul style="list-style-type: none"> <li>• Manual recovery</li> <li>• Oil Storage tanks</li> <li>• Sorbents</li> <li>• Safety precautions</li> </ul>
Session 2	<i>Video movies for Recovery systems</i>
Session 3	<ul style="list-style-type: none"> <li>• Usage of dispersant for Oil spill combating</li> </ul> <i>Video movies for Dispersants application</i>
<b>Day 5</b>	
Session 1	Oil Spill Contingency Planning and Response <ul style="list-style-type: none"> <li>• Introduction to OSCP</li> <li>• Management of OSCP</li> <li>• Tired Response (Tire I, II, and III)</li> <li>• Tin-Situ burning</li> </ul>
Session 2	Waste Management System <i>Video movies for Waste Management Systems</i>
Session 3	Training, Drills and Exercises

### **TRAINING OUTCOME**

At the end of the course, participants shall have knowledge of:

- Overview of Oil Spill
- Oil Spill behavior and its effect on environment
- Major oil spill incidents
- Containment and recovery equipment and technologies
- Dispersant
- Contingency planning and response

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NOTE:

Pre-& Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day Review and assessments will be carried out.

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