

TRAINING ON MARITIME BUSINESS



ABOUT US

Welcome to Pertecnica, where knowledge meets expertise! As a leading employee training institute, we specialize in a diverse range of sectors, providing top-notch induction trainings, refresher courses, and elevating skills through our upgradation programs. We take pride in offering mandatory trainings that ensure compliance and safety trainings across various sectors/industries especially in the dynamic sector of maritime business. At Pertecnica, we are your partners in growth, fostering a culture of continuous learning and development. Join us on a transformative journey.



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INDUCTION TRAININGS

- maritime business

- **Introduction to Maritime Industry:**
 - Overview of the maritime business sector, including shipping, logistics, and maritime services.
 - Understanding the global importance of maritime trade and transportation.
 - Introduction to key stakeholders, regulations, and industry trends.

- **Maritime Safety and Navigation:**
 - Comprehensive training on maritime safety regulations and procedures.
 - Navigation principles for ships and vessels, including chart reading and course plotting.
 - Emergency response protocols for maritime incidents, including fire, collision, and grounding.

- **Vessel Operations and Maintenance:**
 - In-depth knowledge of vessel operations, including maneuvering, anchoring, and docking.
 - Training on routine maintenance procedures for ships and maritime equipment.
 - Understanding the importance of preventive maintenance to ensure vessel reliability.



International Maritime Regulations and Compliance:

- Training on global maritime regulations and conventions, such as SOLAS (Safety of Life at Sea).
- Understanding compliance requirements for environmental protection, safety, and security.
- Ensuring adherence to international standards for maritime operations.

Cargo Handling and Stowage:

- Training on proper cargo handling techniques, including loading and unloading procedures.
- Understanding the principles of safe cargo stowage to ensure stability during transit.
- Compliance with regulations governing the transportation of various types of cargo.

Maritime Security and Anti-Piracy Measures:

- Training on maritime security protocols to prevent piracy and unauthorized access.
- Understanding the use of security technology, surveillance, and onboard security teams.
- Implementing anti-piracy measures and emergency response plans in high-risk areas.

Maritime Environmental Sustainability:

- Training on environmental regulations and initiatives in the maritime industry.
- Implementing practices to minimize the environmental impact of maritime operations.
- Awareness of technologies and strategies for sustainable maritime practices.

Maritime Communication and Crisis Management:

- Effective communication skills for maritime professionals, including radio communication.
- Crisis management protocols for responding to emergencies at sea.
- Simulations and drills to enhance communication and crisis response skills.



REFRESHER TRAININGS

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- **Personal Safety and Social Responsibilities (PSSR):**
 - Reviewing personal safety responsibilities onboard vessels.
 - Updates on the latest safety regulations and industry best practices.
 - Case studies and lessons learned from recent maritime incidents.
- **Firefighting and Fire Prevention:**
 - Reviewing firefighting techniques and equipment usage.
 - Updates on new firefighting technologies and equipment.
 - Hands-on exercises and drills to refresh firefighting skills.
- **Man Overboard (MOB) and Survival Craft Training:**
 - Reviewing procedures for responding to a person falling overboard.
 - Updates on the use and maintenance of survival craft.
 - Simulation exercises to practice MOB scenarios and survival craft deployment.



- **Medical Care and First Aid at Sea:**
 - Reviewing first aid protocols for maritime health emergencies.
 - Updates on new medical technologies and treatments.
 - Hands-on scenarios to refresh and enhance medical response skills.
- **Confined Space Entry:**
 - Reviewing safe entry and work procedures in confined spaces.
 - Updates on confined space regulations and best practices.
 - Practical exercises to reinforce knowledge and skills in confined space safety.
- **Helicopter Underwater Escape Training (HUET):**
 - Reviewing emergency evacuation procedures from a ditched helicopter.
 - Updates on new equipment and technologies for helicopter evacuations.
 - Simulation exercises in a controlled environment to refresh HUET skills.
- **Security Awareness and Anti-Piracy Training:**
 - Reviewing security measures and protocols to prevent piracy.
 - Updates on the latest security threats and trends in maritime environments.
 - Scenario-based training to enhance decision-making in security incidents.
- **Navigational Safety and Collision Avoidance:**
 - Reviewing safe navigation practices and collision avoidance techniques.
 - Updates on new navigational technologies and regulations.
 - Simulation exercises for practicing and refreshing safe navigation skills.



SKILL UPGRADATION PROGRAMME

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Advanced Navigation and Electronic Chart Display

Information System (ECDIS) Training:

- In-depth training on advanced navigational techniques and equipment.
- Mastery of Electronic Chart Display Information System (ECDIS) technologies.
- Scenario-based simulations to enhance decision-making in complex navigational situations.
- Advanced Firefighting and Emergency Response

Training:

Advanced training on firefighting strategies, techniques, and leadership.

- Simulation exercises for responding to complex onboard emergencies.
- Collaboration with other team members to manage and control emergency situations.

Leadership and Crisis Management in Maritime Operations:

- Developing leadership skills for crisis situations in maritime operations.
- Understanding crisis communication and decision-making under pressure.
- Role-playing scenarios to practice effective leadership in emergency situations.



Maritime Risk Assessment and Management:

- Advanced training on risk assessment methodologies specific to maritime environments.
- Application of risk management strategies to enhance safety and operational efficiency.
- Case studies and real-world scenarios for hands-on risk management experience.

Maritime Technology Integration and Automation:

- Understanding and adapting to the latest technological advancements in maritime operations.
- Training on the integration of automation systems in vessel management.
- Hands-on experience with advanced maritime technologies to improve operational efficiency.

Environmental Compliance and Sustainability in Maritime Business:

- In-depth training on international environmental regulations and compliance.
- Strategies for promoting sustainable practices in maritime operations.
- Implementing environmentally friendly measures to minimize the ecological impact.

Advanced Maritime Security and Counter-Piracy Strategies:

- Advanced training on maritime security measures and protocols.
- Strategies for assessing and mitigating security risks in different maritime regions.
- Scenario-based training to enhance response capabilities in security incidents.

Project Management in Maritime Operations:

- Developing project management skills for complex maritime projects.
- Understanding project planning, execution, and monitoring in a maritime context.
- Case studies and practical exercises to apply project management principles.



MANDATORY TRAINING

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Maritime Safety Training:

- In-depth training on safety regulations and procedures specific to maritime operations.
- Emergency response drills, including abandon ship and man overboard scenarios.
- Training on the use of safety equipment such as life jackets, lifeboats, and firefighting equipment.

STCW (Standards of Training, Certification, and Watchkeeping) Compliance:

- Comprehensive training to ensure compliance with the international STCW Convention.
- Understanding watchkeeping duties and responsibilities for maritime personnel.
- Certification courses for specific roles, such as navigation, engineering, and tanker operations.

Environmental Protection and Pollution Prevention:

- Training on international regulations for preventing marine pollution.
- Implementing practices to minimize the environmental impact of maritime activities.
- Understanding the proper handling and disposal of hazardous materials and waste.



- **Security Training for Seafarers:**
 - Training on the International Ship and Port Facility Security (ISPS) Code.
 - Understanding the importance of maritime security to prevent acts of terrorism and piracy.
 - Security drills and exercises to ensure readiness for security incidents.
- **Crisis and Emergency Response Management:**
 - In-depth training on crisis management strategies for maritime emergencies.
 - Simulations and drills for responding to incidents such as collisions, grounding, and fires.
 - Developing and implementing emergency response plans for various scenarios.
- **Medical First Aid at Sea:**
 - First aid training specific to maritime settings, including onboard medical emergencies.
 - Understanding the principles of medical care and treatment at sea.
 - Certification in medical first aid for designated personnel on board.
- **Maritime Cybersecurity Awareness:**
 - Training on cybersecurity risks and best practices specific to the maritime industry.
 - Implementing measures to secure onboard systems and protect against cyber threats.
 - Understanding the potential impact of cyber incidents on maritime operations.
- **Navigational Skills and Bridge Resource Management:**
 - Training on advanced navigational techniques and equipment.
 - Understanding bridge resource management for effective decision-making.
 - Simulation exercises to enhance navigational skills and teamwork on the bridge.



SAFETY TRAININGS

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Personal Safety and Social Responsibilities (PSSR) Training:

- Understanding personal safety responsibilities on board a vessel.
- Training on maintaining a safe and healthy living and working environment.
- Awareness of social responsibilities and their impact on personal and team well-being.

Firefighting and Fire Prevention Training:

- In-depth training on firefighting techniques and equipment onboard.
- Understanding fire prevention measures and safe storage of flammable materials.
- Emergency drills for responding to onboard fires, including use of firefighting appliances.

Man Overboard (MOB) and Survival Craft Training:

- Training on procedures for responding to a person falling overboard.
- Operation of survival craft and life-saving appliances.
- Simulation exercises for practicing MOB scenarios and survival craft deployment.



Medical Care and First Aid at Sea:

- Comprehensive first aid training for medical emergencies at sea.
- Understanding common maritime health issues and treatments.
- Certification in medical care for designated personnel to handle onboard medical situations.

Confined Space Entry Training:

- Training on safe entry and work in confined spaces onboard vessels.
- Understanding the risks associated with confined spaces and gas detection.
- Emergency response procedures for confined space incidents.

Helicopter Underwater Escape Training (HUET):

- Training on emergency evacuation procedures from a ditched helicopter at sea.
- Understanding the use of life-saving equipment during helicopter evacuation.
- Simulation exercises in a controlled environment for hands-on experience.

Security Awareness and Anti-Piracy Training:

- Training on security measures to prevent piracy and unauthorized access.
- Understanding the importance of maintaining a security culture on board.
- Recognizing and responding to security threats in different maritime environments.

Navigational Safety and Collision Avoidance:

- Training on safe navigation practices and collision avoidance techniques.
- Use of navigational aids, charts, and electronic navigation systems.
- Simulation exercises for practicing safe navigation in various maritime conditions.

