

Trainers & Methods


Trainee's profile: - Shipping Lines Employees.- Multimodal Operations Staff.
- Environmental Quality Management.
- Port Professionals.

The Lecturers: Senior lecturers in Training for Sustainable Development and Environmental Technologies, having both Academic and Industrial experience.

Methods: - Theoretical and practical informations
- Practices based on real experiences of the trainees.

Presentations: - PowerPoint - Written support.

Contact us :

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الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري
Arab Academy for Science, Technology & Maritime Transport

A Joint Diploma

Sustainable Development "Management & Operation"

1st Week in Alexandria, Egypt
2nd Week in Antwerp, Belgium
25 Hours per week

PTI - APEC



A Joint Diploma Sustainable Development

“Management & Operation”

Course background and aims:

After launching of the World Port Sustainability Program (WPSP) on 23 March 2018, it became crucial for ports and port community to focus on the sustainable development of its operations and services and find ways of managing their ports efficiently and effectively while being consistent with the 17 UN Sustainable Development Goals (SDGs) announced in 25 September 2015.

This is a multi-disciplinary course delivered by a variety of senior experts in all sustainability-related fields, as Sustainable Development (SD) is inherently a multi-faceted approach because it concerns a complex system involving economy, technology, ecology, supply chains, logistics and others, which makes the course extremely important for all seaport personnel at all levels including port authorities, shipping companies and agencies, multi-modal operation staff, and local communities.

The course provides the necessary knowledge for implementing Sustainable Development in the areas of future-proof infrastructure; climate and energy; social integration; safety and security; and ethical policy, while tackling the pressing environmental issues in moving to the development of green ports and a low carbon economy, and discussing their effects on port development and operations, which will enhance their competitiveness and help them hold a prominent place in future markets and investments.

Course scope:

This is a two weeks course; the first week will take place in Port Training Institute (PTI) Alexandria, Egypt, while the second one will be in Antwerp/Flanders Port Training Center (APEC) Antwerp, Belgium.

Upon completion of this course, participants will gain a deep understanding of the practical implementation of the sustainable development of ports in accordance with World Port Sustainability Program themes in all port operations and activities.

Course Content

1ST Week in Alexandria

- Module 1 Introduction to Project Management (risk assessment).
- Module 2 Ships refueling and LNG.
- Module 3 Introduction to IMO major conventions focusing on Safety & security
- Module 4 Electronic Port management
- Module 5 Governance and Ethics awareness.



2nd Week in Antwerp



- Module 1 Environmental policy within a Corporate Social Responsibility Approach of Antwerp Port Authority.
- Module 2 Environmental issues in a busy port area.
- Module 3 CSR & Sustainability Reporting in a Port context.
- Module 4 Improving Port-City Integration
- Module 5 Oil spill fighting and Ballast Water Management.

Services included in the rate

Hotel 4* (Including Breakfast) - coffee breaks during the class sessions - Diploma awarded by **AASTMT** and **Port of Antwerp** Submitted at the last day of the course - City tour - Stationary : pens, Book notes, Folders, etc.

APEC and PTI will organize off-site visits to the Port of Antwerp and Alexandria Port.