

# MEDPORTS TRAINING BROCHURE













THE BEST MEDITERRANEAN TRAINING COURSES TO ALL MARITIME AND PORT EMPLOYEES

**2020 BROCHURE** 

#### **MEDPORTS ASSOCIATION**

#### **TRAINING CALENDAR 2020-2021**



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#### **ARAB ACADEMY**

Port Training Institute (PTI) was established on 26th of July 1982 as an affiliated institute to the Arab Academy for Science, Technology & Maritime Transport (AASTMT).

PTI delivers courses in the fields of Port Management & Supervision, Port Management & Finance, Port Operation, Management of Safety Operations in Ports, Computer & Information Systems, Engineering & Technical Works, Gantry Cranes, Yard Cranes and Offshore (fixed and mobile) Cranes and English Language. Training courses are delivered by a team of Technical and managerial experts in education and training.

Furthermore, we tailor courses according to the needs of our customers.





#### **MORE INFORMATION**

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#### ARAB ACADEMY

#### COURSE 1 - DIGITAL TRANSFORMATION TOWARDS FOURTH GENERATION PORTS "SMART PORTS"

The contents of this seminar will analyze the role of the emerging technologies in the ports' digital transformation towards the Port 4.0, also known as the Smart Port.

#### Alexandria:

- Digital technologies and digital transformation
- Big Data, Cloud Computing, Internet of things, and Blockchain
- Digital Transformation in ports
- Smart port technologies
- Smart port applications

#### Valencia:

- Introduction to Artificial Intelligence
- Applications of block chain in Ports
- Digital Transformation in ports (case study: Valencia port)
- Smart port technologies (case study: Valencia port)
- Smart port applications (case study: Valencia port)

Duration: 5 days (25 hours)

Location:

Alexandria, Egypt Valencia, Spain

Course dates:

Eg: 18-22 February 2020 Sp: 24-28 February 2020

Course fees:

2.300 € for the two weeks in Alexandria and Valencia

Language:



REGISTRATION

OPEN

#### COURSE 2 - THE IMPACT OF ENVIRONMENTAL IMO CONVENTIONS ON THE COMPLEXITY OF SUSTAINABLE PORT COMMUNITIES

Over the past few years, port operations have steadily grown in importance for the global merchant shipping Industry. Surging foreign trade in the countries of the world will continue to depend on, among other factors, timely adaptation of ports to meet new demands. Expansion and sustainable growth will only be possible with modern, higher-capacity green super & infrastructure.

#### Course Contents:

- IMO Environmental awareness conventions and port operations
- Adaption & Implementation of quality port environmental policies
- Enhanced institutional solutions to sustain Port Sea land
- Environmental Challenges facing modern global ports to be internationally competitive
- Port authorities' adaption to environmental work policies.

**Duration:** 5 days (25 hours)

Location:

Alexandria, Egypt

Course dates:

8 - 12 March 2020

Course fees:

5 Trainees or less = 750 € 6 to 10 Trainees = 650 € 11 Trainees or more = 550 €







#### **ARAB ACADEMY**

#### **COURSE 3 - DATA ANALYTICS IN PORTS**

- To Explain the concepts of Data Analytic Science to convert Information to knowledge Support Decision making
- This Course covers the fundamentals and Techniques used in Data Analytic in ports
  - Data in Ports and Terminals
  - Introduction to Big Data
  - Concepts of Data Mining
  - Decision support systems
  - Data Analytics in Ports

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 6 - 9 April 2020

Course fees: 5 Trainees or less = 700 € 6 to 10 Trainees = 600 € 11 Trainees or more = 500 €

Language:





#### COURSE 4 - ELECTRONIC PORT DATABASE ADMINISTRATION

The Course aims to train participants on Port Information System Application, Database administration, backup and recovery.

- Introduction to port database.
- Discussing a port information System Practical application
- Defining users and permissions
- Database objects
- Backup and Recovery

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 12 - 16 July 2020

Course fees: 5 Trainees or less = 700 € 6 to 10 Trainees = 600 € 11 Trainees or more = 500 €







#### **ARAB ACADEMY**

#### COURSE 5 - MAINTAINING SUSTAINABILITY THROUGH EARNED VALUE

The course aims to introduce sustainability objectives and how to maintain it through achieving optimum Earned value.

- Introduction to sustainable development
- Development of cost management plan
- Cost estimation
- Develop budget
- Earned value principles implementation

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 16 - 20 August 2020

Course fees: 5 Trainees or less = 700 € 6 to 10 Trainees = 600 € 11 Trainees or more = 500 €

Language:





#### **COURSE 6 - MODERN PORT MANAGEMENT STRATEGIES**

- Modern Strategies for Ports and Terminals Management and Port Planning
- Ports and Container Terminals Modern Operation Systems
- Policies and Legal Framework of Ports Operations
- Port Performance Indicators and Ports' Competitiveness
- Port Services (Polices & Strategies)

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 13 - 17 September 2020

Course fees: 5 Trainees or less = 750 € 6 to 10 Trainees = 650 € 11 Trainees or more = 550 €







#### ARAB ACADEMY

#### COURSE 7 - JUST IN TIME SHIPPING (JIT)

The Diploma addresses the JiT Shipping while taking into consideration its three main influential aspects: Logistics and Maritime, IT and Environmental aspects:

- An Introduction to the "Just-In-Time" (JIT) operations
- Just in time (JIT) implementation strategy
- JIT operations and improving the safety of navigation
- IT role global standardization and harmonization of data
- Low carbon shipping

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 18 - 22 October 2020

Course fees: 5 Trainees or less = 750 € 6 to 10 Trainees = 650 € 11 Trainees or more = 550 €

Language:





#### COURSE 8 - ROLES AND RESPONSIBILITIES IN CORPORATE GOVERNANCE

Good governance is crucial for an effective sea port Authorities and organizations. The role of the governance specialist is evolving in line with changes in business, technology, legislation and society's expectations.

The course aims are focused on preparing and qualifying specialists for public and government companies and Seaport Authorities. Providing universally applicable guidance, to apply effective governance practices.

Trainees will acquire a variety of approaches – the board of directors, management, shareholders, the media, regulators and other stakeholders – and focuses on assessing the effectiveness and execution of governance roles and responsibilities.

- Turn theoretical intake into practical practices
- Develop knowledge of the key elements of governance
- Examine modern trends in governance.
- Develop and understand how legislation and regulation drives good corporate governance practices
- Enable individuals and organizations to successfully establish, develop and maintain appropriate business support structures for managing organization

Duration: 5 days (25 hours)

Location: Alexandria, Egypt

Course dates: 15 - 19 November 2020

Course fees: 5 Trainees or less = 750 € 6 to 10 Trainees = 650 € 11 Trainees or more = 550 €







The Valenciaport Foundation for Research, Promotion and Commercial studies of the Valencian region has been conceived to further expand the reach of the logistics-ports community by serving as a research, training and cooperation centre of excellence.

The Valenciaport Foundation manifests an initiative of the Port Authority of Valencia (PAV), in collaboration with various other associations, companies and institutions.





#### **MORE INFORMATION**

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#### COURSE 1 - DIGITAL TRANSFORMATION TOWARDS AN INTELLIGENT PORT LOGISTICS

The digital transformation allows the port facilities to incorporate technological and management solutions with which to face the technological challenges, it is an opportunity that they must take advantage of to make port communities more efficient.

Nowadays, all sectors are looking for new technological solutions that are more efficient, affordable, safe and accessible, taking advantage of the growing connectivity of objects and people. (Internet of Things), the availability of geolocation systems (GPS, EGNOS and Galileo), cloud computing solutions (Cloud Computing), mass storage and processing (Big data), machine learning and artificial intelligence (Machine learning and AI) and the Internet of value with the application of distributed record technologies (DLT), better known by the name of blockchain.

All these solutions and technologies have the potential to improve productivity in port facilities, solve different mobility problems and offer a differential and increasingly personalized service to transport both goods and passengers.

Duration: 5 days (20 hours)

Location:

Valencia, Spain

Course dates: 24 - 28 February 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities

Language:





REGISTRATION

OPEN

#### COURSE 2 - FUTURE INVESTMENTS IN PORTS: TOWARD NEWS PPP APPROACHES

The objetive of investment in port sector is generally known to be profit mazimization. The course focuses on the issues needed to be considered before the decision to proceed to costly expansions, profitability, economic imparct and financing are seen as the most critical modes in the complex chain of port investment decision.

The course provide participants with a thorough understanding of how Port and Terminals Projects are develooped from financia point of view and also introduce the Full-cycle port investment assesment.

Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: 6 - 9 April 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities







#### COURSE 3 - CREATIVITY & INNOVATION IN PORTS DECISION MAKERS

World ports are today facing an aggressively competitive and rapidly changing global market with more complex and intelligence based business environment where only the strategically proactive in marketing wins the competition. Ports in their derived demand inclination are seriously challenged and their viability in a fiercely competitive global maritime business environment in great doubt. Their survival as a business therefore is hard.

The objective is to enable to develop advanced management skills as well as analytical and creative decision-making competencies at senior management level. The course specifically focuses on strategic thinking and creativity in leadership Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: May 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities

Language:





#### COURSE 4 - DEVELOPING STRATEGY AND MARKETING PLAN FOR PORT SERVICES

The lack of alignment between strategy development and the execution of marketing strategies is one of the main causes of low performance a loss of competitiveness in any company. This is not different in the port sector.

Making this alignment even more challenging. To succeed in positioning their services correctly in the current uncertain economic scenario, ports with high performance establish a clear and structured process for developing, executing and controlling their strategic and marketing actions. Given this context, in this course port executives will learn the best cases, methodologies and most used tools that could be applied to their ports.

The objective is to get a deeper knowledge about the functioning of the port industry and the importance of port services as a part of the international trade flow, learn how to develop a strategic and marketing plan for Port Services and understand its contribution to customer satisfaction.

Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: July 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities







#### **COURSE 5 - PORT SECURITY ADVANCED MANAGEMENT**

The objective of the module is to publicize in a global manner the different areas covered by port security, from the point of view of the terminals or person working within a port area, focusing on: safety linked to workers, this is, occupational safety, through the study of Willian Fine's method; maritime safety, giving a review of the SOLAS (Safety Of Life At Sea) Convention; security linked to the passage of dangerous goods, with the development of security studies and emergency plans; and finally, the one related to port security, due to the application in ports, of the protection regulations generated from the events of September 11, 2001 in the USA.

Also included are the new port security requirements in terms of Cybersecurity and the consideration of Critical Operator.

Duration: 4 days (20 hours)

Location: Valencia, Spain

Course dates:
September 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities

Language:





#### **COURSE 6 - MARITIME MARKETS**

Participants will understand the importance of maritime transport for global trade and the economy and get familiar with the different segments of the maritime market. The module also aims at studying the way the tramp market operates and the evolution and current situation of supply, demand and charter rates for bulkers, tankers and containerships. Participants will analyse in-depth the liner shipping market. Liner ocean carriers' strategies and market trends will be examined and their impact on ports will be assessed.

At the end of the course, participants will be able to:

- Estimate the impact on different maritime markets of current and future macro-economic conjuncture
- Forecast port throughput given certain assumptions on the future of global and regional trade and seaborne traffic
- Understand the main factors determining charter rates for bulkers, tankers and containerships in the tramp market
- Evaluate which port strategy would fit best certain market situations.

Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: October 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities







## COURSE 7 - SUSTAINABILITY AND ENERGY TRANSFORMATION TOWARDS ZERO EMISSIONS

It is unquestionable that ports play a major role in the logistics and industrial services necessary to meet the demand of markets at the international level, which makes them one of the main energy consumers of the first level of business.

The promotion and promotion of energy efficiency projects among the port community has allowed, in recent years and allows, reducing energy operating costs, as well as offering more sustainable environmental services to the port community.

This saving of energy costs and its associated environmental variable is a fundamental aspect in the profitability of the companies. The objective of the course is to achieve a responsible and quality energy management of port facilities, which will result in the organization's results, both economic and environmental:

- Reducing energy operating costs
- Reducing the environmental impact of port activities by reducing greenhouse gases

Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: November 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities

Language:



**3 2** 

#### COURSE 8 - PORT-CENTRIC LOGISTICS AND PORT-HINTERLAND INNOVATIONS

For many businesses, port-centric logistics aims to remove unnecessary freight miles. For example, if goods arrive at a port in the South, then travel to the distribution centre in the North, the goods essentially retrace their steps if they're distributed to a customer based in the South. If the goods remain at the port they arrived in and get distributed from that same location you avoid any wasted freight miles – which is excellent for the company's bottom line and also good news for the environment too.

As well as reducing costs, port-centric logistics can also streamline operations and improve customer service because containers are unloaded, checked, stored, picked and distributed from a single port based location. As a result, customers benefit from lower costs, shorter lead times, a more efficient supply chain, reduced carbon footprint and cost-effective logistics and distribution.

Intermodality, syncronodality are key words in this course.

Duration: 5 days (20 hours)

Location: Valencia, Spain

Course dates: December 2020

Course fees: 800 €, incl. registration, materials, coffee break and visits to the port facilities







The Training Institute of the Port of Marseille Fos offers training to improve your practices, strengthen your skills, learn new techniques. Content is taught by expert consultants and / or engineers.

You will benefit at the same time of theoretical contributions but also of concrete examples, testimonies and exchanges of experiences, of practical cases, and visits of sites.





#### **MORE INFORMATION**

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Chief of the Training Department

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#### COURSE 1 - PORT MARKETING: THE DIGITAL REVOLUTION

This training will highlight the specificities of port marketing and its evolution from the basics of traditional marketing, taking into account the global context and the digital revolution.

3 days

Marseille, France

20-22 April 2020

1.450 €/person

Language:

#### **COURSE 2 - PORT COMMUNICATION STRATEGY**

This internship is based on the analysis and mastery of the various communication tools used to optimize the image of a port for professionals and the general public.

5 days

Marseille, France

10-15 May 2020

2.500 €/person

Language:

#### **COURSE 3 - STUDIES & PORT WORKS**

This program offers you the opportunity to acquire knowledge related to the design, construction, maintenance and management of structures. Two optional days are in addition on Asset Management and Inspection and Pathologies and Repair of Structures.

5 days + 2 optional days

Marseille, France

8-12 June 2020

2.500 €/person
+ 500 €/p/optional day

Language:

#### **COURSE 4 - NEW THREATS IN PORTS**

At the end of this internship, you will be aware of the terrorist threat. The Institute offers 2 modules: physical threats & cybersecurity.

1 day/module

Marseille, France

23-24 June 2020

450 €/person/module

Language:



#### COURSE 5 - MANAGE AND DEVELOP A LICENSED TERMINAL

This training will allow you to acquire a global vision of your role as a port authority and to work as a port developer.

5 days

Marseille, France

15-19 June 2020

2.500 €/person

Language:

#### COURSE 6 - BOOST YOUR PORT INFORMATION SYSTEM

This training course focuses on the theme of IS Development and their impact on port organizations. At the end of the internship, you will master the IT processes of managing a port: single port counter, dematerialization of information chains.

2 days

Marseille, France

14-15 September 2020

950 €/person

Language:

#### **COURSE 7 - PORT SECURITY & SAFETY**

This training will provide you with the knowledge you need to implement incentive or repressive measures to make safety and security essential values of your structure.

5 days

Marseille, France

21-25 September 2020

2.500 €/person

Language:

#### **COURSE 8 - INTERNATIONAL REGULATIONS & PORT DEVELOPMENT**

This internship will allow you to better understand and implement international regulations concerning ports.

3 days

Marseille, France

16-18 November 2020

1.450 €/person

Language:

#### **COURSE 9 - PORT RH MANAGEMENT**

The objective of this training will be to better understand the human resources challenges in ports and to master modern tools in order to implement effective human resources management.

4 days

Marseille, France

9-12 March 2020

1.900 €/person

Language:



#### **COURSE 10 - OPERATION OF PORT HANDLING EQUIPMENT**

The Institute proposes the implementation of a selection of driving personnel, training for trainers and pedagogical engineering.





The Escola was founded in 2006 and focuses its training on interactive and personoriented approach with a training programme that introduces the technical concepts of the logistics and port sectors to the participants using a methodology that facilitates communication and relations among the participants.



#### **MORE INFORMATION**

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#### COURSE 1 - OPERATIONS & PORT COMMUNITY SYSTEM

The course aims to provide training on intermodal transport and logistics. Participants will witness show port operations, vessel and terminal facilities in detail and from a practical perspective, and gain deep insight into maritime logistics, its actors, roles and market segmentation and trends.

Services to the vessel (part I)

Duration: 5 days

Date: 29June- 3 July 2020 Where: Barcelona

Price: 600€

Services to the cargo (part II)

Duration: 5 days Date: 6-10 July 2020 Where: Barcelona

Price: 600€

Duration: 10 days

Location: Barcelona, Spain

Course dates: 29 June - 3rd July 2020 6 - 10 July 2020

Course fees: 1.000 € (special fare 500 € for part I and 500 € for part II)

Language:





## COURSE 2 - NATIONAL AND INTERNATIONAL RAILWAY INFRASTRUCTURES, TECHNOLOGIES AND SERVICES

- To analyze the different elements that must be combined for the provision of cargo rail services.
- To provide necessary training and information to those who will decide and manage logistics chains in which the railway can be a profitable alternative by service, cost or time.
- To know the infrastructures and equipment necessary for the use of the railway.
- To promote the use of rail transport by disseminating its characteristics and particularities.

Duration: 5 days

Location: Barcelona, Spain

Course dates: 18 - 22 January 2021

Course fees: 800 € (special discount for Escola alumni and collaborators 700 €)







#### **COURSE 3 - GROUPAGE & CONSOLIDATION CENTRES**

The course on groupage and consolidation is highly specialized. It aims to bring to light groupage operations and the workings of consolidation centres. Participants will witness groupage operations, infrastructures and equipment in detail and from a practical perspective.

3 days

Barcelona, Spain

15 - 17 June 2020

750 €/person (disc. 600 €)

Language:

#### COURSE 4 - TEMPERATURE CONTROLLED SUPPLY CHAINS

The course on Temperature Controlled Supply Chains is highly specialized. It aims to provide training on temperature controlled logistics, to show port and warehouse operations, equipment, vessel and terminal facilities in detail and from a practical perspective, and to offer deep insights into temperature controlled logistics, its actors, roles, market segmentation and trends.

4 days

Barcelona, Spain

4 - 7 May 2020

700 €/person (disc. 600 €)

Language:

#### **COURSE 5 - PORT AND PASSENGERS**

The course on Port and Passengers aims to explain the cruise Industry, to provide training in cruise port operations, to show port operations and port facilities in detail and from a practical perspective.

4 days

Barcelona, Spain

30 March - 1st April 2020

440 €/person (disc. possible)

Language:



## COURSE 6 - INTERNET OF THINGS, BLOCKCHAIN, BIG DATA AND EVOLUTION OF IT IN PORTS

This course emphasizes on the use of information technologies in the Port Communities, intermodal networks and logistics transport chains.

3 days

Barcelona, Spain

September 2020

750 €/person (disc. 600 €)

Language:

#### COURSE 7 - MOST - MOTOWAYS OF THE SEA TRAINING (MOST ITALY - IBERIA)

This course take the intermodality training one step further by exploring a complete short sea shipping operations on board of a Ro- Pax vessel. Participants are offered the opportunity to study intermodal operations on a Grimaldi Lines or GNV vessel on the crossings between the cities of Barcelona, Civitavecchia and Genoa. The additional lectures offered ensure that the participants in an eminently practical environment acquire a complete knowledge of these.

This course gives priority to practical training and is based on experiential learning. Visits to the participating ports and workshops in specific parts of a Ro-Pax vessel are carried out.

The training is complemented by lectures in a classroom environment during which the students are encouraged to participate actively.





## COURSE 8 - PORTS AND RAILWAYS INFRASTRUCTURES, TECHNOLOGIES AND SERVICES

In this course participants gain a complete view of the logistics zones and the way terminals work. Highly experienced professionals explain first-hand how operations are organised, managed and developed in such logistics infrastructures.

Duration: 3 days

Location: Barcelona, Spain

Course dates: 18 - 20 May 2020

Course fees: 550 € (special discount for Escola alumni and collaborators 450 €)

Language:





#### COURSE 9 - STUDY VISIT ON INTERMODAL TRANSPORT (BARCELONA - PERPIGNAN)

TransLogMED's study visit address the whole logistics chain and orients to the implementation of real services. The project will aim to foster regional integration in the Mediterranean, enhance professional performance, as well as promote employment and gender equality in the transport and logistics sector.

These aims will be realized through the promotion of intermodal solutions, including maritime transport, as well as road an rail, the implementation of training and knowledge-transfer actions; and, ultimately, the development of sustainable transport chains and door-to-door logistics activities.

Duration 5 days

Location Barcelona, Spain Perpignan, France

Course dates 13 - 17 April 2020

Course fees 800 € (special discount for Escola alumni and collaborators 700 €)





#### **MEDPORTS ASSOCIATION**

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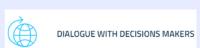
NON-PROFIT ORGANIZATION CREATED IN 2018





WWW.MEDPORTS.ORG

MEETINGS & NETWORKING SESSIONS ORGANISATION





KNOWLEDGE & BEST PRACTICES SHARING



MED INTERESTS PROMOTION







#### **3 ASSOCIATED MEMBERS**







#### MORE INFORMATION

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