



# Strengthening marine & maritime Cooperation in the Mediterranean region

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# A Note of Recognition



**IMP  
MED** Project on Integrated Maritime Policy  
in the Mediterranean



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# 1. AASTMT & IMP-MED project study



# AASTMT & League of Arab States

## The Academy :



A Regional specialized organization in: education, training, consultation and research, is affiliated to the [League of Arab States](#).



# AASTMT & UN

## The Academy :



Started in 1972 With the support of (UNDP) United Nations Development Program & the Arab countries. It has become a self-financing renowned Academy serving not only the Arab states but the African continent as well.



# AASTMT



- 8 colleges
- 12 institutes
- 12 centers
- 6 deaneries
- 3 complexes





# AASTMT



The Academy could deliver adapted training and curricula in order to meet the new and future needs for maritime and marine skills.

A specific study had been accomplished in this perspective with the Technical Assistance of **IMP-MED**





# New & Future Skills

Enormous shift in our approach how we visualize the oceans and seafaring profession with new advanced technologies.

Ships are hi-tech machines and high qualified seafarers are required to run such advanced ships.

Use of oceans has expanded much ahead of shipping and new areas of study have evolved like environment, sea-bed resources, fisheries, marine biology, coastal zone management, insurance, law, security and financial management linked with maritime sector.

Only through these measures, we will be able to maintain our progress and expand our operations in maritime industry.





# The Study



**Study of the changing and future skill needs for the  
maritime and marine sectors**



# The Study

**This study was conducted between AASTMT & Integrated Maritime Policy for the Mediterranean (IMP-MED Project) within Technical Assistance program.**



# Objective of the study

The study should support the Academy's reflections and plans developing their activities to meet the demand for new and future maritime and marine skills, including:

- An inventory of the new and future maritime and marine jobs.
- This survey of the present, changing and future needs for maritime and marine skills and jobs should focus on the possibilities of adapting and extending the scope of the Academy.
- A specific section should be dedicated to the difficulties to fulfill the training periods at sea required by international rules for completing the education of cadets.



# Activities retained by AASTMT





# future maritime jobs

The subject of “future maritime jobs”, was explored more thoroughly through the Academy and **IMP-MED** Study.

Areas with the highest job-creation potential:

- Blue Energy
- Aquaculture
- Marine/Coastal and Cruise Tourism
- Marine Mineral Resources
- Biotechnology (Biofuel)





## 2. The Key elements of the study



# Contents

- 1- Introduction
- 2- The critical challenge of today
- 3- The demand side
- 4- The supply side
- 5- The AASTMT's response
- 6- Conclusions and recommendations





# 1- Introduction

the Academy was invited to participate in the regional events organized by the IMP-MED Project, specifically: -

- The 5th Regional Technical Workshop held in Athens in April 2013, - back to back with the 12th FEMIP Conference - which also addressed a proposal from IMO, EIB and EC to study the feasibility of a network of maritime education institutions in the Mediterranean; and
- The 6th Regional Technical Workshop held in Brussels in October 2013.



## 2- The critical challenge of today

The Arab Academy for Science, Technology & Maritime Transport is concerned by the difficulties its studying seafarers are facing with the access to the training periods / sea service required to complete their qualifications



## 3- The demand side

The sectors / activities which should provide more and / or new skill requirements for:

- growing, emerging, and future sectors, activities and functions;
- actual and evolving demands, identified on the basis of the capacities already acquired from the existing education / training systems;
- needs for strengthened knowledge / capacities in some sectors



## 4- The supply side

To identify what the international maritime academies and other educational institutions are offering in order to meet the future and changing need for skills and capacities.



## 5- The AASTMT's response

Presents the survey results which investigated the capability and feasibility of seizing opportunities to develop skills for more and new maritime and marine sectors / activities.

Education, training and research entities consider that they are in a position to respond to the growing and future skill needs of 19 of the 29 sectors / activities identified, and to deliver at their level the corresponding qualifications.



## 6- Conclusions and recommendations

The conclusions and recommendations are addressing:

- I) The challenge of today, which might be partly resolved politically and / or commercially.
- II) The growing, emerging and future skill needs of all the sectors and activities identified in the study, and for which the Academy is prepared to respond positively.



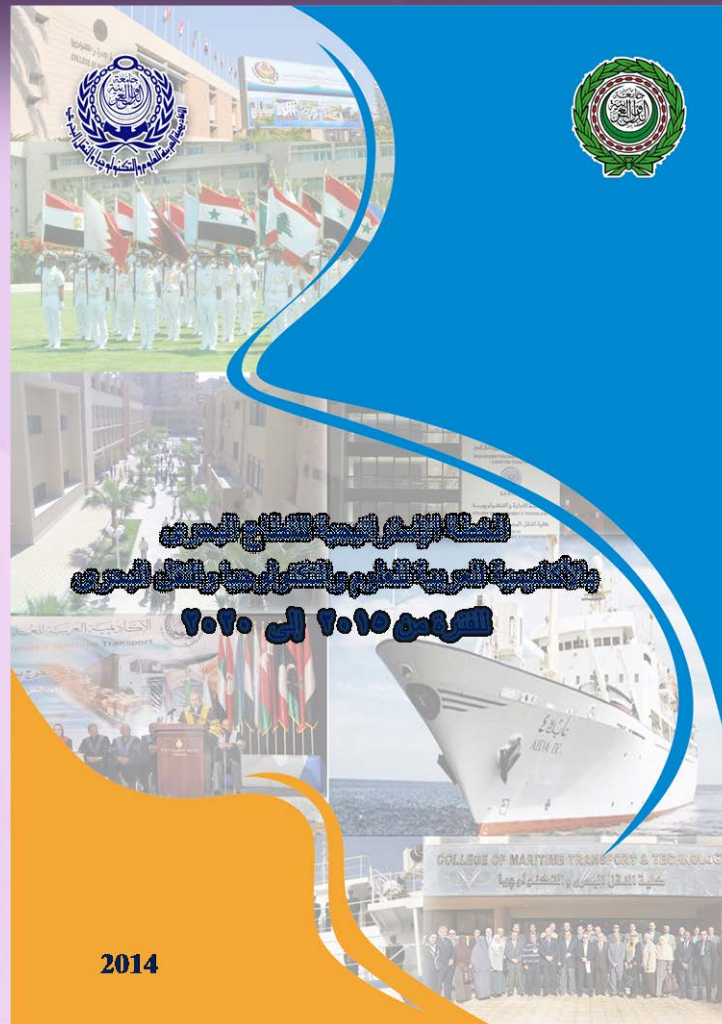
# World Maritime Day

The Arab Academy for Science, Technology and Maritime Transport Celebrated the World Maritime Day, on Sunday 21-9- 2014, under this year's World Maritime Day theme “IMO conventions: effective implementation”.





# AASTMT Strategic Plan







## 3. AASTMT & blue jobs



# AASTMT & Innovation in MET

In light of the significant shortage in Seafarers all over the world, the maritime education and training process has been re-evaluated so as to match the needs of the maritime sector. **AASTMT** is qualifying and training those working in the Arab & African maritime transport sector as well as areas related to maritime safety, maritime environment protection and promoting maritime and river navigation in the Arab & African regions.



# Maritime Training and Jobs Developments



It has been argued that the discussion about the global supply and demand of maritime professionals is not about the quantity of a workforce, but moreover the quality of the training that the workforce possesses.





# College of Maritime Transport & Technology

## Marine simulators

**Transas Marine simulators** have been chosen by the College of Maritime Transport and Technology.

The simulators will enable trainees to acquire a wide range of navigational and engineering skills.

At the College of Maritime Transport and Technology, each of 4 classrooms with 5 navigational simulators, configured as mini bridges.

All the systems include a Search and Rescue module





# College of Maritime Transport & Technology

## Engine Room Simulator

- Allow conducting 3 day training courses, each for 5 engineers.
- One of the features of Transas **ERS** simulator is an advanced 3D visualization that imitates various ship compartments
- Provides access to local operation posts and controls.
- Will be displayed on a 42" touch screen.
- The liquid cargo handling simulator (**LCHS 5000**) supplied within the project is configured as a classroom for 12 trainees.
- This simulator is compliant with DNV 2.14 Standard requirements and allows acquiring skills of oil spill prevention, vessel ballast system control and many others.





# Oil & Gas Industry

- 1- Maritime Safety Institute ( Safety) - (e-learning)
- 2- College of Engineering & Tech ( Exploration & Exploitation)
- 3- Integrated Simulators Complex ( Cargo Operations)
- 4- Community Service Program (English Terminology)
- 5- Oil & Gas Institute (Technical Training)





# MSI - IMIST

## IMIST online

IMIST (International Minimum Industry Safety Training) is an interactive e-Learning training programme that works by assessing the safety knowledge of an oil and gas worker, and then automatically and dynamically assemble a unique course based on knowledge gaps.

This process is repeated until the candidate has managed to answer all the assessment questions correctly. A 100% pass mark is required to complete the IMIST programme.





# MSI - IMIST

# IMIST

Affiliate Partner



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







# AASTMT Oil & Gas Institute



Obtained the membership of the International Marine Contractors Association (IMCA) in the field of technical training of ROV programs,

Membership enables AASTMT Institute of Oil and Gas to execute ROV Courses.



# AASTMT & African Marine Students



- **334** African students from **13** countries in the second semester 2013/2014.
- **10** scholarships were offered to African students in the field of Maritime Transport.
- **4** scholarships were offered to African students through the IMO MOU.



## Maintaining Relations with Maritime Institutions

The Academy's Administration has been keen on concluding memoranda of understanding with maritime educational institutes, universities and organizations with a view to exchanging expertise and widening the scope of information exchange. A few examples illustrate this point:





# Relations with Maritime Institutions

## MOU with Shanghai Maritime University

To facilitate academic cooperation between both parties to contribute to the dissemination of knowledge and qualification of individuals.

## MOU with UTM University, Malaysia

This MOU was concluded with a view to promoting applied research and exchanging Faculty Members





## Participating in Local, Regional and International Maritime Clusters and Networks

To achieve success in a highly competitive market place Students must be exposed to:

- Different cultures
- Speak different languages
- Experience different business practices.

For this purpose, the Administration established the **International Agreements and Cooperation Unit (IACU)**.

The IACU coordinates all AASTMT existing international programs, and works on expanding relations with foreign universities and widening the scope of programs. The IACU practices in and organizes international seminars, partners' fairs, orientation conferences, job fairs and staff training sessions.



# Integration of Women in Maritime Sector



## Middle East & North Africa (MENA) and Africa Arab International Women's Maritime Forum (AIWMF).

In March 2014, Under the auspices of (AASTMT), Alexandria, Egypt, support was provided by IMO for a regional seminar on:

**“MARITIME SECURITY IMPLICATIONS FOR PORT LOGISTICS”,**

With participants from MENA and Africa Arab International Women's Maritime Forum (AIWMF).



## 4. AASTMT & new opportunities



# AASTMT



## AASTMT policy resting on 3 bases:

1. Providing the maritime industry with highly qualified personnel.
2. Maintaining relations with all maritime institutions.
3. Participating in local, regional and international maritime clusters and networks.





## Meeting the growing and future demand

- Administrations
- Unions
- Academy's Instructors
- Related education institutions



# Adapting and extending the Academy's Education and training activities

- Adaptation of existing activities
- Extension of existing activities
- Creation of new activities



# International cooperation

With other Academies, Universities  
and Institutes





# Information and Communication

- External dimension / level
- Internal dimensions / level



# **5. AASTMT & cooperation in Med.**

## **Sea-basin**



# Port Management Training Course

In cooperation with IMP-MED project AASTMT Hosted a training course in port management to Palestinian trainees in the period 13-15 October 2014.





## **6. AASTMT & cooperation with EU**

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### **Member States**



# AASTMT & EU Recognition 17 Sep 2012

19.9.2012 EN Official Journal of the European Union L 252/57

## DECISIONS



### COMMISSION IMPLEMENTING DECISION of 17 September 2012 on the recognition of Egypt pursuant to Directive 2008/106/EC of the European Parliament and of the Council as regards the systems for the training and certification of seafarers (notified under document C(2012) 6297) (2012/505/EU)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2008/106/EC of the European Parliament and of the Council of 19 November 2008 on the minimum level of training of seafarers<sup>(1)</sup>, and in particular the first subparagraph of Article 19(3) thereof,

Having regard to the requests from Cyprus on 13 May 2005, from the United Kingdom on 25 September 2006 and from the Hellenic Republic on 26 October 2006

Whereas:

(1) According to Directive 2008/106/EC Member States may decide to endorse seafarers' appropriate certificates issued by third countries, provided that the third country concerned is recognised by the Commission. Those third countries have to meet all the requirements of the International Maritime Organisation (IMO) Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 (STCW Convention)<sup>(2)</sup>, as revised in 1995.

(2) The requests for the recognition of Egypt were submitted by letters of 13 May 2005 from Cyprus, of 25 September 2006 from the United Kingdom and of 26 October 2006 from the Hellenic Republic. Following these requests, the Commission assessed the training and certification system in Egypt in order to verify whether Egypt meets all the requirements of the STCW Convention and whether the appropriate measures have been taken to prevent fraud involving certificates. That assessment was based on the results of an inspection carried out by experts of the European Maritime Safety Agency in December 2006. During that inspection certain deficiencies in the training and certification systems were identified.

(3) The Commission provided the Member States with a report on the results of the assessment.

(4) By letters of 16 February 2009, 21 September 2010 and 20 December 2011, the Commission requested Egypt to provide evidence demonstrating that the deficiencies identified had been corrected.

(5) By letters of 12 November 2009, 25 November 2010 and 28 February 2012, Egypt provided the requested information and evidence concerning the implementation of appropriate and sufficient corrective action to address the deficiencies identified during the assessment of compliance.

(6) The outcome of the assessment of compliance and the evaluation of the information provided by Egypt demonstrates that Egypt complies with the requirements of the STCW Convention, while this country has taken appropriate measures to prevent fraud involving certificates.

(7) The measures provided for in this Decision are in accordance with the opinion of the Committee on Safe Seas and the Prevention of Pollution from Ships,

HAS ADOPTED THIS DECISION:

*Article 1*

For the purposes of Article 19 of Directive 2008/106/EC, Egypt is recognised as regards the systems for the training and certification of seafarers.

*Article 2*

This Decision is addressed to the Member States.

Done at Brussels, 17 September 2012.

*For the Commission*  
Siim KALLAS  
Vice-President

<sup>(1)</sup> OJ L 323, 3.12.2008, p. 33.  
<sup>(2)</sup> Adopted by the International Maritime Organisation.





# Gaeta, Italy





# Piraeus, Greece





# Limassol, Cyprus

A Technical and Scientific protocol was signed by Dr. Ismail Abdul Ghafar AASTMT President and Mr. Marios Demetriades Cypriot Communications & works minister. The Protocol provides for the exchange of scientific experiences and technical cooperation in the fields of technology and training.



د. إسماعيل عبد الغفار رئيس الأكاديمية يهدى الدرع لوزير الاتصالات القبرصي



# Egypt - Cyprus

H.E Prof. Dr. Ismail Abdel Ghafar Ismail - AASTMT President received H.E Mr. Marios Demetriades - Cypriot Minister of Communications and Works on Wednesday 1- 10- 2014, at AASTMT - AbuKir Campus in Alexandria, and participated in the software opening of AASTMT College of Maritime Transport and Technology Simulators and Laboratories.





# Conclusion

willingness and readiness to deliver adapted training and curricula in order to meet the new and future needs for maritime and marine skills.

Sincere thanks are due to the organizers of, and the participants in, this esteem working group.



# Thank You

[www.aast.edu](http://www.aast.edu)

