

# TRANSPORTATION OF LIQUEFIED NATURAL GAS (LNG)

## ABOUT THE COURSE

The course will concentrate on outlining the peculiar features of Production, Storage and safe Transportation of Natural Gas and Liquefied Natural Gas by Sea and its related activities.

## OBJECTIVES

- Demonstrate knowledge of history of Natural Gas and its physical and Chemical properties
- Show through familiarity with composition and characteristics of natural gas, and exploration for natural gas
- Show familiarity with production and storage process of Natural Gas
- Show a thorough familiarization with Natural gas and LNG Transportation by Sea and its related activities.

## TARGET PARTICIPANTS

All those currently spear heading or involved in their country's Natural Gas and LNG production, liquefaction, storage and transportation or those identified to be spearheading similar initiatives or projects of the participating countries.

There is no formal entry qualification. However, to interact effectively and derive maximum benefits from the course, candidates should preferably have working knowledge of English and work experience at management level in the related field trips

## COURSE DURATION

The course shall be conducted over a period of 13 days, with a minimum of 60 contact hours in class room and Educational field.

## KEY TOPICS

- Module 1: Malaysian Studies
- Module 2: Natural Gas - Introduction & Properties
- Module 3: Natural Gas Exploration Production and Storage
- Module 4: Liquefaction of Natural Gas
- Module 5: LNG Introduction
- Module 6: LNG Tanker
- Module 7: LNG Tanker Operations
- Module 8: LNG Shipping Transport Business - Main Players
- Module 9: Educational Visits

## TRAINING METHODOLOGIES

Lectures, group discussion, group exercises, case studies, sharing or hands on experience will be supplemented with use of audio-visual aids where necessary.

Relevant visits will also be arranged to further expose the candidates to the LNG shipping activities.

The course will concentrate on outlining the peculiar features of LNG Transportation by Sea and its related activities.

## FACILITATORS

The course will be conducted by serving experts in the Natural Gas and LNG field, MMA's LNG experienced and qualified lecturers; Master Mariners and Marine Engineers, holding Class 1 Certificate of Competency (COC) and, MSc. ERP, MSc. MET.

## FACILITIES

- Library and Resource Centre
- Lecture, Seminar and Multi-Purpose Halls
- Simulation Centre
  - ◊ Full Mission Ship-handling and Engine Room Liquid Cargo Operations (LICOS)
  - ◊ Distributed Control System (DCS)
  - ◊ Electrical High Voltage (EHV)
- Laboratories
  - ◊ Communication
  - ◊ Language Computer
  - ◊ Radar, ARPA and ECDIS
- Workshops
- Swimming Pool
- Sports Facilities and Fields
- Accommodation
- Dining Hall & Cafeteria
- Fire-fighting/Smoke House Facility

## ACCREDITATION



Marine Department Malaysia



## OTHER INFORMATION

### Accommodation and meals

Food and lodging are provided by ALAM.

### Fares

A return air ticket from the capital city of the recipient country to Kuala Lumpur on economy class is provided for all selected participants.

### Visa and Vaccination

It is mandatory for all the MTCP participants to follow the Visa With Reference (VDR) application procedure. Wherever applicable, participants are advised to arrange for vaccination on their own prior to travel to Malaysia.

Expenditures on all visa-related fees, airport tax/airport user's charge, transit insurance, excess luggage, travel tax, transit fees, domestic passenger terminal fees, phone charges, private purchases, etc borne by the participants.

Participants from yellow fever-endemic areas including diplomatic and official passport holders are required to take a mandatory vaccination for yellow fever at least ten (10) days prior to their departure for Malaysia and to produce a Yellow Fever Vaccination Certificate at the entry point in Malaysia.

### Course Fees

All course fees are borne by the Malaysian Government.

### Medical and Dental Treatment

Candidates should be certified medically and physically fit to participate in this programme.

Medical treatments are provided at government hospitals/clinics only and the expenses will be borne by the Government of Malaysia under the MTCP. In case of an emergency, participants are eligible to be admitted to government hospitals/clinics. Dental treatments are restricted to extraction and filling only.

### General Conditions of Award

Participants shall conduct themselves at all times in a manner compatible with their responsibilities as MTCP scholarship holders and abide by the rules and regulation of the Training Institution

The award may be terminated at any time due to unsatisfactory conducts, breach of the conditions of the award or failure to make satisfactory progress

Participants are not allowed to bring along their spouses for the duration of the course.

## ABOUT MALAYSIAN TECHNICAL COOPERATION PROGRAMME 2019 (MTCP)

The Malaysian Technical Cooperation Programme (MTCP) was first initiated at the First Commonwealth Heads of Government Regional Meeting (CHOGRM) for Asia Pacific Region in Sydney in February 1978. It was officially launched on 7 September 1980 at the 2nd CHOGRM in New Delhi, India, to signify Malaysia's commitment to South-South Cooperation, in particular Technical Cooperation among Developing Countries (TCDC).

In line with the spirit of South-South Cooperation, Malaysia through the MTCP shares its development experiences and expertise with other developing countries.

Since its inception in 1980, more than 33,000 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP. More information at MTCP website : [www.mtcp.kln.gov.my](http://www.mtcp.kln.gov.my)

### Objectives of MTCP

- To share development experience with other countries;
- To strengthen bilateral relations between Malaysia and other developing countries;
- To promote South-South Cooperation (SSC);
- To promote technical cooperation among developing countries (TCDC).

### Type of Assistance:

- Short-term specialized courses
- Long-term courses (Scholarships)
- Technical assistance
- Dispatch of experts

## ABOUT MALAYSIAN MARITIME ACADEMY SDN BHD (ALAM)

Established in 1977, Malaysian Maritime Academy or better known as ALAM is a well-developed, 40 hectares campus at the pristine Kuala Linggi, Melaka overlooking the busy Straits of Melaka. ALAM is approximately 148km south of Kuala Lumpur and 252km north of Singapore. ALAM is wholly-owned by MISC Bhd and is also a member of PETRONAS Education and Learning Unit.

ALAM offers a complete range of maritime related courses and to date, more than 150 different types of maritime courses are offered. ALAM's unique maritime and offshore training system is supported by state-of-the-art training facilities and expertise from its academia and professional lecturers/ trainers, many of whom holds PhD and Masters qualifications.

The academy's programmes and facilities are in compliance with the European Maritime Safety Agency (EMSA), Australian Maritime Safety Agency (AMSA), and Maritime Coastguard Agency (MCA) UK & Norwegian Maritime Directorate

## APPLICATION GUIDELINES

Applications should be made using the prescribed MTCP forms available at [https://mtcpcoms.kln.gov.my/mtcpcoms/online/list\\_course](https://mtcpcoms.kln.gov.my/mtcpcoms/online/list_course). MTCP application forms can also be obtained at nearest Malaysian Embassies in recipient countries.

All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs or National Focal/Aid Coordinator Agency in the respective countries (the relevant ministry or agency responsible for the overall coordination of international technical assistance) and should be submitted ONLY through the diplomatic channel via Embassy of Malaysia in the respective countries.

**INCOMPLETE AND/OR UNENDORSED FORMS WILL NOT BE PROCESSED.**

Submitted application forms must be accompanied by the applicant's:

- Copy of Passport
- Passport sized coloured photo (3.5cm x 5cm)
- Medical Report

Only successful applicants will be notified.

### Focal Person from Malaysian Maritime Academy (ALAM) are;

Mr Azhar Hamzah  
Email: [azhar.hamzah@alam.edu.my](mailto:azhar.hamzah@alam.edu.my) and

Mr Wong Koon Sang  
Email: [wongkoonsang@alam.edu.my](mailto:wongkoonsang@alam.edu.my)

Tel: +606 388 2318 / 2315  
Fax: +606 387 6700

## APPLICATION DATELINE: 24 MAY 2019

**Note: Applicants who do not receive notification by four (4) weeks prior to the commencement of the course can assume their applications have been deemed unsuccessful. No written notification will be sent to unsuccessful applicants.**



## MALAYSIAN TECHNICAL COOPERATION PROGRAMME (MTCP) 28 JULY – 9 AUGUST 2019

## TRANSPORTATION OF LIQUEFIED NATURAL GAS (LNG)

brought to you by



**Batu 30, Tanjung Dahan,  
Kuala Sungai Baru, Melaka,  
Malaysia**

