

PNEUMATICS FOR MARINE APPLICATION

70 PMA

ELECTROTECHNICAL COURSE



*The future of
world class
seafarers*

This course is intended for marine engine officers and electrical officers. It is designed to provide basic understanding of the design and principles of Pneumatics governing implementation and creation of simple solutions. In effect, it shall enable participants to translate, design, test, troubleshoot and document simple control tasks into fully operational applications used in maritime industries.

COURSE AIMS: At the end of the course, participants should be able to replicate control task into fully operational Pneumatic solutions and consequently test and commission these solutions.

COVERAGE / PROGRAM FOCUS: Lectures on the following subject areas and hands-on exercises relevant to marine applications:

- Pneumatic Symbols
- Directional Valves
- Non-return Valves
- Actuators, Direct & Indirect Actuation of Cylinder
- Speed Regulation
- Logic Control
- Pressure Control
- Time Delay
- Sequential Operation

METHOD: Lectures will be complemented with “hands on” simulation of the laboratory activities & practical exercises using pneumatic equipment and professional laboratory facilities.

ENTRY REQUIREMENT / TARGET GROUP: Entry to this course is open to all Marine Engine / Electrical Officers on Offshore Units and onboard Merchant Vessels. The course has no pre-requisite; however a good background in Electrotechnology is an advantage.

COURSE CERTIFICATE: A Certificate of Completion is given to each participant who satisfactorily fulfills the Course.

DURATION:

1 Week

(5 Days: 0830H – 1630H)

SCHEDULE:

This course shall be conducted only upon request with minimum of five (5) participants.

COURSE

CONTRIBUTION:

USD 415.00

(NSA Member)

USD 462.00

(Non-NSA Member)

*Inclusive of course
materials/handout*



Register

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