



أكاديمية الزمالة  
العربية البريطانية



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Arab British Academy Fellowship  
A.B.A.F





# Systems and technologies in the maintenance of installations

## Objectives

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- Planning and following up maintenance of mechanical works and air conditioning.
- Design and maintenance of mechanical systems and air conditioning in buildings.
- Diagnosis and maintenance of mechanical malfunctions and conditioning.
- Develop an integrated administrative and technical system for the maintenance of buildings, especially mechanical equipment and HVAC systems.
- Supervising the maintenance of mechanical works and HVAC systems.
- Understand and plan maintenance of equipment and equipment and prepare schedules and control processes required to manage the maintenance of equipment and equipment during operation.

## Who Should Attend?

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- Health and Safety Managers
- Field supervisors
- Engineers and specialists in safety
- Webmasters and anyone who requires a better knowledge of the rules and regulations of safety requirements in the workplace.

## Seminar Outline

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### DAY 1

- Studying the components of buildings and establishments and calculating their costs.
- The optimum method for the processing and finishing of buildings and facilities, technically and economically.
- The role of engineers and maintenance officials in various stages in the life of the establishment from the thought of construction until the process of replacement and renewal.



## DAY 2

- Buildings and restoration processes and methods.
- Paints and technical methods for the process of painting and repair and periodic inspection, the best way to test the paints technically and economically appropriate.
- Foundations and periodic detection methods.

## DAY 3

- Planning, design and implementation of drainage network
- Selection of types of pipes, joints and drainage requirements
- Periodic maintenance on the drainage system

## DAY 4

- Generators (all details)
- Water purification systems (sanding, carbon, water sterilizers, water ionization and other systems)
- HVAC systems (water coolers, large and small air handling units, air ducts, central air conditioning systems and other HVAC systems)
- Cooling systems (refrigeration rooms, freezing rooms, projectors and other systems)
- Cooling water pumps (for water coolers)
- Cooling water systems and lines.
- Sterilization and air purification systems.

## DAY 5

- Natural wood, its properties and uses.
- Industrial wood, its properties and uses
- The difference between natural timber and industrial wood.
- Study of various machines for manufacturing and manufacturing furniture.
- Paints and methods of preserving wood and furniture from damage
- Accessories for furniture and methods of selection and installation



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