



أكاديمية الزمالة  
العربية البريطانية



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Arab British Academy Fellowship  
A.B.A.F





# Maintain maintenance and increase efficiency

## 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.
- Understand the maintenance of equipment and equipment, planning, schedules and work control methods required to manage the maintenance of equipment and equipment during work interruption.
- Evaluate how the hardware and equipment maintenance management system that works with the automated account contributes to the promotion and support of the immediate information for the planning of the maintenance of the equipment, the integrated systems and the effective preparation of schedules and control systems.
- Evaluate the practical requirements for the hardware and equipment maintenance management system using automated calculation.
- Evaluating and developing the strategy of maintenance of the most advanced mechanical devices and equipment (HVAC systems) and procedures necessary to make maximum use of the spare parts and how the specialized systems that operate using the computer will facilitate these activities

## 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

### 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)

### 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



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