



أكاديمية الزمالة  
العربية البريطانية



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Arab British Academy Fellowship  
A.B.A.F





# Foundations of advanced maintenance systems

## Objectives

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- This program provides an integrated view of the technical, administrative and economic aspects of the maintenance and repair work at all stages of the project in order to improve the efficiency of maintenance and improve their economies, while identifying the different strategies of scientific maintenance and economic effects of the feasibility of applying the systems entrance to increase the efficiency of operation and cost control.

## 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

- The scientific concept of maintaining the overall productivity of projects and facilities.
- Scientific foundations for increasing the efficiency of the operation of equipment and machinery (reliability of steel).
- Maintenance as an effective factor in technology selection.
- Maintenance strategies and policies.
- Manage maintenance works and increase operational efficiency.
- Analysis of maintenance problems and decisions of solutions.
- Problems of replacement and renewal of projects and ways to overcome them.
- Methods of prediction and diagnosis of faults.



## DAY 2

- The economic implications of the feasibility of application of the systems to improve the maintenance work.
- Programming, Programming, and Maintenance (PERT).
- How to develop an integrated system for maintenance and repair costs.
- Analysis of storage economics for spare parts and materials.
- Technical and economic feasibility of establishing maintenance workshops and repair of the project
- What is Total Productive Maintenance? Total Productive Maintenance
- What are the key features that characterize the application of overall productive maintenance?

## DAY 3

- How difficult is the application of comprehensive productive maintenance?
- What drives us to implement comprehensive productive maintenance?
- What is the cost of implementing Total Productive Maintenance?
- How long does it take to implement comprehensive productivity maintenance?

## DAY 4

- How do we apply overall productive maintenance?
- What is self-maintenance?
- How do we get rid of the losses?
- Self-maintenance
- Benefits of self-maintenance

## DAY 5

- Application of self-maintenance
- What the operator does
- The interaction of productive maintenance with the other pillars of comprehensive productive maintenance
- Obstacles to the application of self-maintenance



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