

Scandinavian Academy Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

# Course: Earned Value Management for Project Performance Measurement

| Code | City | hotel | Start | End | price | Language - Hours |
|---|---|---|---|---|---|---|
| PM-357SA | Dammam | Hotel Meeting Room | 2027-05-23 | 2027-05-27 | 12950 SR | En - 25 |

## INTRODUCTION

The management of technical projects is becoming a challenge to professional engineers in an increasingly competitive marketplace in which effective project planning and control approaches in compliance with clients' contractual requirements. Successful project managers demand that their projects meet technical objectives and be completed on schedule and within budget. To ensure success, an effective project control system must be designed, developed and implemented to provide management with timely and accurate information on deviations of cost and time parameters from the target objectives established during the planning cycle of the project.

Earned Value Management (EVM) is a project planning and control approach which provides cost and schedule performance measurements. It compares actual accomplishment of scheduled work and associated cost against an integrated schedule and budget plan. Its benefits include visibility into the true progress of the project work against the budget, projections of anticipated project schedule and cost trends and the ability to take timely corrective actions for undesired variances. EVM is considered to be one of the most powerful and productive concepts utilized in managing today's complex projects in private, commercial or government environments.

## PROGRAMME OBJECTIVES

- Obtain knowledge in understanding and using an effective performance management system in managing technical projects effectively
- Manage projects using a proven, effective performance measurement technique

- Work with clients to define project objectives and develop a project plan and put it into action
- Make project decisions concerning scope, cost and schedule parameters faster, more effectively and more confidently
- Stay on top of schedules, budgets, workloads and human resources issues and delegate practically and fairly
- Learn to avoid the pitfalls of project management by quickly identifying potential project risks and mitigate them as early as possible

# PROGRAMME SUMMARY

This training session is designed for those who want to learn the principles of EVM used for project performance measurement, a proven method to evaluate project work progress in order to identify early potential schedule slippage and areas of budget overruns.  It provides practical coverage of an accurate and realistic reflection of the integrated scope, cost and schedule parameters of a project to assist both contractors and client management in the decision-making process.

# PROGRAMME OUTLINE

### Introduction to Earned Value Management (EVM)

- Management Criteria versus Engineering Criteria
- Evolution of the Earned Value Management (EVM) Concept
- The Cost/Schedule Control System Criteria (C/SCSC)
- The EVM System Criteria
- Performance Measurement- An Effective EVM Technique
- EVM in Project Management

### Scope the Project

- Understanding the Project Work Scope

- Work Breakdown Structure (WBS)
- Make-or-Buy Choice
- WBS and Earned Value

## Plan and Schedule the Project

- Understanding the Project Objective
- Planning the Project
- Scheduling the Project
- Scheduling and Earned Value

## Estimate and Budget Project Resources to Form Control Account Plans (CAPs)

- Integrating the Project Work Scope with Cost and Schedule
- Earned Value CAPs
- Cost Estimates and Budgets
- Management Reserves

## Establish the Earned Value Project Baseline

- Methods Used to Plan and Measure Earned Value
- Control Account Plans (CAPs)
- The Performance Measurement Baseline (PMB)
- Maintaining the Baseline : Managing Changes in Scope

## Monitoring Performance Against the Baseline

- CAPs Performance Measurement
- Presentations to Project Management
- Earned Value Cost and Schedule Variances
- Materials and Subcontracts in EVM

## Final Cost and Schedule Forecasting

- Determining Factors
- Cost and Schedule Results Methodology
- Management Reserve or Contingency Reserve
- Estimate At Completion (EAC)
- The Over Target Baseline (OTB) Process
- Predicting the Project’s Time Duration

## EVM Reporting

- Subcontractors’ Reporting
- Preparing and Interpreting the Integrated Cost/Schedule Report
- The EVM Reporting Formats

**The Scandinavian Academy for Training Center** adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

**Program Timings:  9:00 AM to 2:00 PM**

**The program includes:**

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

# Our Success Partners

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