LUXVIE

Future-Oriented Training and Consulting

EARNED VALUE MANAGEMENT PROGRAM

Earned Value Management (EVM)

for Construction Projects

Equipping professionals to track cost and schedule performance with Earned Value Management.

Proven EVM Frameworks Structured frameworks for measuring and forecasting project performance.	**Executive Discussions** Case studies, simulations, and executive discussions from real projects.
EVM Tool Exposure Hands-on exposure to EVM tools.	**Accurate Performance Forecasts** The skills to measure performance and forecast outcomes with greater accuracy.

CONTACT & HEADQUARTERS

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Program Overview

This program builds practical expertise in applying Earned Value Management to track cost and schedule performance on construction projects.

Through case studies, executive discussions, simulations, and hands-on exposure to EVM tools, participants will develop the skills to measure project performance and forecast outcomes with greater accuracy.

Program Objectives

- **Understand EVM Fundamentals:** Grasp the core metrics and principles behind EVM.
- **Establish the Performance Baseline:** Build the scope, schedule, and budget baseline for EVM.
- **Apply EVM Tools:** Use software to calculate and track EVM metrics.
- **Measure Cost and Schedule Performance:** Interpret variances and performance indices accurately.
- **Forecast Project Outcomes:** Project final cost and completion dates from EVM data.
- **Sustain EVM Practices:** Apply reporting and review practices long-term.

Target Audience

This program is designed for professionals measuring and forecasting project performance, including:

- **Project Controls Engineers** tracking cost and schedule performance.
- **Project & Construction Managers** overseeing performance against baselines.
- **Cost Estimators & Schedulers** building baselines EVM tracks against.
- **Program & Portfolio Managers** monitoring performance across projects.
- **Owners & Client Representatives** overseeing contractor performance reporting.
- **Entry-Level Engineers & Technicians** building foundational EVM skills.
- **Consultants & Project Advisors** guiding clients on performance measurement.

Program Impact

Participants will leave this program with practical EVM skills. Graduates will return to their organizations ready to measure project performance and forecast outcomes with greater accuracy.

Program Outline

MODULE 1: Foundations of Earned Value Management

- Core EVM metrics: PV, EV, and AC
- How EVM differs from traditional cost tracking
- Overview of EVM standards and terminology
- The project controls role in EVM reporting
- Common pitfalls in early EVM adoption

MODULE 2: Establishing the Performance Baseline

- Building the work breakdown structure for EVM
- Time-phasing the budget across the schedule
- Setting control accounts and reporting levels
- Hands-on exposure to baseline-setting tools
- Avoiding common baseline-setting errors

MODULE 3: EVM Tools and Calculations

- Calculating schedule and cost variances
- Calculating performance indices (CPI, SPI)
- Hands-on exposure to EVM software
- Automating EVM data collection and reporting

MODULE 4: Measuring Cost and Schedule Performance

- Interpreting variances against thresholds
- Diagnosing root causes of performance gaps
- Reporting performance to stakeholders
- Using dashboards and trend reports
- Building a clear performance measurement report

MODULE 5: Forecasting and Ongoing Practice

- Forecasting estimate at completion (EAC)
- Forecasting estimate to complete (ETC)
- Updating forecasts as conditions change
- Sustaining EVM practices beyond the program