LDI TRAINING
"Leading Edge Courses for Professionals" ™

A 3 Days Course Of

PROJECT PLANNING AND CONTROL WITH EMV TRACKING

By

Dr. Ir. Firdaus Basbeth MM, PMA CIQAR, CIQNR

Overview

At present time being, the project management in the oil & gas industry have to make decisions in an environment of high level of uncertainty and risk. Poor project management causes oil & gas companies massive losses of resources and money. In a climate of volatile oil prices, it is more important than ever to halt these losses.

This course is designed for those who will be required to calculate and interpret EVM data generated in capital projects. The course has been designed for project members of integrated EPC project teams and for other personnel dealing with EVM on project commitment. While the course is based on the Industry standard use of EVM for project capital asset investments, other Company's personnel i.e. : Corporate Planning, Finance & Commercial and Contracting personnel will find they can readily apply the principles taught here to commercial capital asset investments as well

Introduction

Applied Earned Value Management emphasizes the processes related to the Performance Management Baseline (PMB), the Integrated Baseline Review (IBR), the American National Standards Institute/Electronic Industries Alliance Standard 748 (ANSI/ EIA-748) and the Project Management Institute (PMI) for Practice Standard for Earned Value Management (EVM) systems. You'll gain hands-on knowledge of the EVM process and EVM metrics, including Estimates at Completion (EAC), as well as an overview of the EVM process from project development to execution.

You'll learn to use tools for managing data associated with EVM as they apply to project management in the cost & schedule contract environment. You'll also learn EVM skills through hands-on exercises and a multi-part case study that takes you from EVM project baseline formation at the beginning of the project through the challenges of ongoing assessments and reassessments of cost, schedule and performance to the project changes. You'll end the course with an understanding of project surveillance.

What You Will Learn

- Discuss the elements of a performance management system.
- Follow key policies, regulations and guidelines standard aproject performance management system.
- Comply with the industry standard (ANSI/EIA Standard 748 and PMI Practice Standard) for earned value management systems (EVMS)
- Leverage the EVMS surveillance process to effectively manage cost, schedule and technical performance
- Use the performance management system as an integrated project management tool to facilitate improved planning and control of cost, schedule and work scope
- Provide management with the necessary information to ensure that day-to-day decisions keep performance consistent with project objectives & delivery commitment

Course Outline

Project Management Baselines

- Introduction to Project Management
- Project Initation
- Project Planning & Control
- Project Execution / Implementation
- Project Closeout

Basic Elements of Project Performance Measurement

- Acquisition Project Baseline
- Industry Standard ANSI/EIA-748 and PMI Practice Standard
- The Office of Management & Budget (OMB) EVM Policy
- EVM and Scope, Cost, Schedule Performance
- EVM Variable & Metrics and Formula
- Project Tracking without EVM
- Project Tracking with EVM, Earned Value

The WBS, OBS and Accounting System

- Work Breakdown Structure (WBS) & Organizational Breakdown Structure (OBS)
- Responsibility Assignment Matrix (RAM)
- Cost & Variances
- Accounting System & The OBS and WBS must align
- Control Accounts for Projects
- Contractor, Sub Contractor & Vendor Reports

Scheduling and Budgeting

- Schedule Techniques

- Master Schedule
- Schedule Traceability
- Industry Standard (EIA-748 and PMI) to Scheduling and Budgeting
- Elements of the Project Management Baseline (PMB)
- Establishing The Baseline Realism

Data Collection &Estimating Cost at Completion

- EVM Terms and Concepts
- Control Progress & Account Status
- EVM Cumulative Performance
- Cost & Schedule Variances
- Schedule Performance Index (SPI)
- Cost Performance Index (CPI)
- To Complete Performance Index (TCPI)
- Performance Charts

Change Control and Baseline Maintenance

- Integrated Baseline vs. Performance Review
- Effect of Change on Project Management Baseline (PMB)
- Change Control
- Internal Re-planning / Re-phasing Work or Budget
- Over target Baseline (OTB)
- Budget at Complete (BAC)
- Contract Budget Base

Reporting & Evaluation

- Internal & External Reporting
- Cost Performance Report
- Contract Performance Report
- Cost & Schedule Status Report
- The Baseline Report
- Contract Performance Chart

Who Should Attend

- Project Manager
- Project Engineers
- Project Economic
- Project Risk Engineers
- Project Planning & Control Engineers
- Project Cost & Control Engineers
- Cost Estimator
- Project Construction Engineers
- Procurement / SCM
- Legal & Contract Engineers
- Cost Accounting
- Financial Controller
- Corporate & Business Planning
- Auditor
- Contractors & Vendors
- Person who get benefit for attending this Course

Course Delivery

- This offline (face to face) course is conducted in Bahasa Indonesia.
- Training hours are from 08:00 to 16:00 WIB
- Participants will receive complete materials course.
- Participants will receive a certificate

About Instructor

Dr. Ir. Firdaus Basbeth MM, PMA CIQAR, CIQNR Position applied for Academic/Lecturer and Researcher

Current Occupation Dean of Faculty of Business and Social Science (Sep 2022 - present), Director of Human Capital (Sep 2022 – April 2023), Binawan University – Jakarta Indonesia Assistant Professor on process to Associate Professor

Research Interest Strategic Management, Risk Management, Entrepreneurship, Organizational Behaviour & Development, Tourism & Hospitality, Business Analytics, Data Science, Advance Statistics, Managerial Decision Analysis, Research Methodology

Qualification: Certified Business Analytics Course - Harvard Business School Online Course Business Analytics Aug, 2021, Certified in Data Science and Analytics course - Algoritma Sept, 2021, Certified Quantitative and Qualitative Researcher by Quantum International, Quantum International accredited by Indonesia KAN (Komite Akreditasi Nasional) March, 2020,

Doctor in Strategic Management Universitas Padjadjaran, Bandung June 9, 2016, Master in Management Institut Teknologi Bandung Feb 19, 2000, Certificate of Workplace Development, Mt Eliza Business School Monash University Melbourne Australia 1997, Bachelor of Chemical Engineering Institut Teknologi Bandung October 24, 1987.

She has more than fifty years of experience in consulting and teaching at universities, public seminars, and in-house training in leading companies. Her areas of teaching are Project Management, Supply Chain Management, Strategic Management, etc. She has a Certified PMA (Project Management Associate).

Recommendation: For each participant, please bring laptops to this course.

Training Confirmation

LDI Training will provide a Confirmation Letter after we receive registration according to the required quota (Minimum 6 Persons).

For more information and Registration please contack

PT. Loka Datamas Indah
LDI Training

Telephone: +62 21 6326911
E-mail : Lditrain@indo.net.id
Web site : www.Lditraining.com