

Construction Project Management Training: Maximizing Project Time-Cost Control & Cash Flow as a Manager

Why This Training is Critical for Managers / Entrepreneurs in Construction



CONSTRUCTION PROJECT MANAGEMENT

[ACPM + EVMS + EOT+ BVA+ SPM + POWER BI]

- (EARNED VALUE MANAGEMENT SYSTEM)
- EXTENSION OF TIME CLAIM (EoT) CLAIM
- DELAY ANALYSIS METHOD – DAM
- MDEA CERTIFIED PROFESSIONAL ONLINE EXAM - MDEA
- GLOBAL CERTIFICATION PM & EOT PRACTITIONER
- BVA – BASELINE VALIDATION AUDIT SPECIAL TOOL
- SPM – SLIPPAGE PREVENTION METHOD
- PBI – CONTROL DASHBOARD FOR INFORMED DECISION

**Smart Project Management,
On-Time, On-Budget Delivery**
Duration: 3+ MONTHS



CEO – 

VP – 

GM – 

DGM – 

PM – 

CM – 

LiveClass
MDEA
Project Management & BIM Institute













Managing a construction site effectively is not just about completing work on time; it's about controlling costs, ensuring smooth cash flow, and handling claims efficiently. This training integrates **ACPM+EVMS+EOT+BVA+SPM+POWER BI** to give you a **holistic approach to site management, progress tracking, and financial control**.

CONSTRUCTION PROJECT MANAGEMENT



Smart Project Management, On-Time, On-Budget Delivery

With this system, you can:

- ✓ Track scheduled vs. executed work
 - ✓ Measure progress accurately
 - ✓ Ensure timely billing & payment collection
 - ✓ Manage claims and delay
 - ✓ Maintain strong project financial health
-

How This Training Helps You as a Manager

1 Advanced Construction Project Management (ACPM)

How it Benefits You:

- Enables you to **plan, monitor, and control** site activities efficiently.
- Ensures that your project progresses according to the schedule.
- Helps you **avoid overruns in cost, time, and resources.**

2 Earned Value Management System (EVMS)

How it Benefits You:

- Tracks **actual vs. planned work** to measure performance.
- Ensures that the **budget aligns with the progress** on site.
- Identifies **early warnings for delays or cost overruns.**

👉 **Example:** If 50% of the project timeline has passed but only 30% of the work is done, EVMS highlights the issue immediately so you can take corrective action.

3 Extension of Time (EOT) & Delay Analysis Method (DAM)

How it Benefits You:

- If delays occur due to external reasons (weather, approvals, material supply issues), you can **legally extend the project timeline.**
- Helps in preparing a **solid delay analysis report** to support claims.
- Protects you from **liquidated damages (LDs) and penalties.**

👉 **Example:** If your subcontractor delays the work, you can document it with DAM and file an EOT request to avoid penalties.

4 Baseline Validation Audit (BVA)

How it Benefits You:

- Ensures that your **initial project schedule is realistic and achievable**.
- Identifies errors or unrealistic assumptions before the project starts.
- Improves scheduling accuracy, reducing future disputes.

👉 **Example:** If your initial project plan has **unrealistic deadlines**, BVA helps adjust them before work begins to prevent future disputes.

5 Slippage Prevention Method (SPM)

How it Benefits You:

- Identifies tasks that are **at risk of delay** before they impact the overall project.
- Provides **real-time solutions** to keep the project on track.
- Ensures **smooth execution of work** without unnecessary downtime.

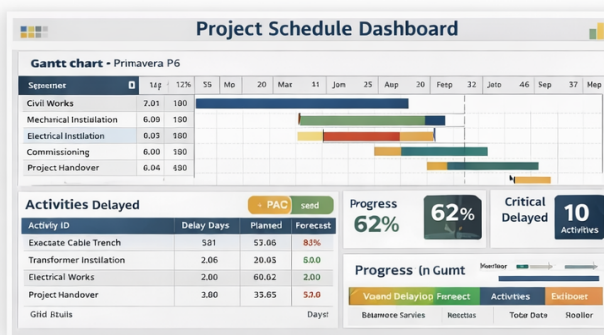
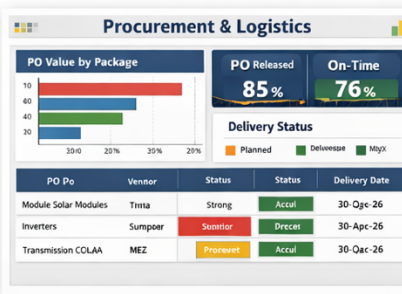
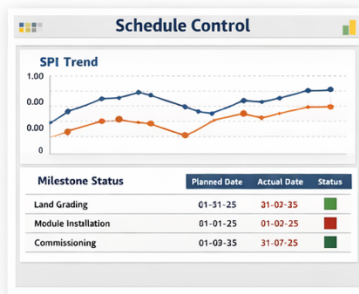
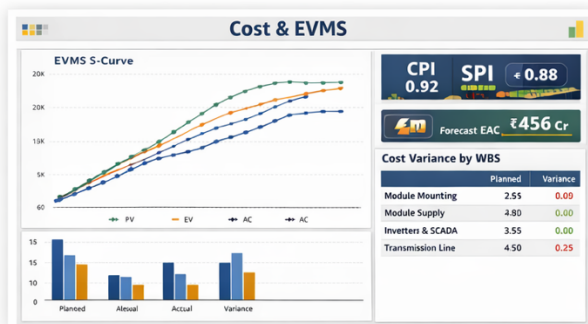
👉 **Example:** If material deliveries are frequently delayed, SPM alerts you to secure alternative suppliers early.

6 Power BI - Project Control Dashboard

How it Benefits You:

- Creates a **visual, real-time dashboard** to monitor project progress, cost, and cash flow.
- Helps track **work completed, work in progress, and pending tasks** in one place.
- Allows **faster decision-making** based on actual data.

👉 **Example:** Instead of manually checking reports, you can **view real-time site updates** from anywhere using Power BI.



From Work Completion to Billing & Payment – How This Training Helps You Get Paid Faster

◆ **Work Completion → Work Certification → Bill Certification → Demand for Payment → Payment Collection**

1 Work Scheduled vs. Work Executed

- Track how much work was planned vs. how much is actually completed.
- If there's a gap, address issues before they impact billing.

2 Work Progress Measurement

- Accurately measure progress using EVMS and Power BI.
- Validate whether enough work is done to **raise the next invoice**.

3 Work Certification

- Once a milestone is achieved, prepare and submit a **work certification report**.
- Ensures that **clients accept completed work without disputes**.

4 Bill Certification

- After approval of work certification, raise an invoice.
- Ensure invoices align with the **agreed milestones and contract terms**.

5 Demand for Payment & Collection

- Follow up with clients using legally supported claims (EOT, DAM, EVMS).
- Avoid delays in payments by ensuring **all documentation is accurate and up to date**.

Why This Training is a Game-Changer for Construction Managers

- ✓ **Better Site Management** – Stay in control of labor, material, and schedule.
- ✓ **Faster Billing & Payments** – Work certification aligns with progress tracking.

- ✓ **Stronger Cash Flow** – Avoid payment delays with structured claims and tracking.
- ✓ **Reduced Delays & Disputes** – Use DAM & EOT to manage risks proactively.
- ✓ **Real-time Project Monitoring** – Power BI dashboard gives instant insights.

Final Takeaway

If you want to **increase profits, reduce disputes, and improve cash flow** in your construction projects, this training will give you **practical tools** to manage your site like a pro. You'll **minimize delays, get paid faster, and keep projects running smoothly.**



MDEA_CPMP
Certified Project
Management
Practitioner
GLOBALCERT



**CIVIL-MEP ENGINEERS
JOB ORIENTED TRAINING**

LIVE  **ONLINE TRAINING**

CONSTRUCTION PROJECT MANAGEMENT

RIGHT
PRODUCT

RIGHT
PRICE

RIGHT
QUALITY

RIGHT
DELIVERY

RIGHT
SERVICE



MDEA
Multi Disciplinary Engineering Academy
MULTI DISCIPLINARY ENGINEERING ACADEMY (I) PVT.LTD.
Project Management & BIM Institute

UK Accredited Certification Forum



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Course Technical Scope

Project Setup

- International project settings
- OBS – Organization Breakdown Structure
- EPS – Enterprise Project Structure
- PBS – Product Breakdown Structure
- WBS – Work Breakdown Structure

Planning

- Scope of work creation
- Activity definition & duration
- Construction logic relationships
- Lead & Lag management
- Project calendar (India & Gulf)

Scheduling

- Manual and auto scheduling
- Forward scheduling
- Backward scheduling
- Activity step concept
- Client & contractor monitoring

Project Monitoring

- Update schedule methods
- Work certification method (PPM)
- Look Ahead Program (LAP)

Procurement Monitoring

- Procurement schedule control
- Material tracking
- Procurement delays monitoring

Project Controls & Reporting

Earned Value Management

- Financial S-Curve
- Cost Performance Index (CPI)
- Schedule Performance Index (SPI)
- Estimate at Completion (EAC)

Critical Path Monitoring

- Detailed CPM reports
- Resource utilization reports
- Resource profile graphs
- Activity usage spreadsheets

Variance Analysis

- Delay analysis
- Schedule variance
- Cost variance

EOT Claim & Delay Analysis

Covered topics:

- EOT claim preparation
- Delay causes identification
- Contract clause-14 program
- Delay cost analysis
- Delay dispute management
- Case study of real EOT claim draft

Tools used

- Special delay analysis spreadsheets

Advanced Project Control Tools

Baseline Validation Audit

Verification of:

- Schedule logic
- Float
- Constraints
- Resource allocation

Slippage Prevention Method (SPM)

- Early delay detection
- Preventive planning
- Corrective actions

Certifications

Two professional certifications:

1 MCP-CPMP

MDEA Certified Project Management Practitioner

2 MCP-EoT Claim Practitioner

Extension of Time Claim Preparation & Award Competency

- Delay cost calculation templates

Power BI Project Dashboard

Integration of:

- Primavera P6
- Microsoft Project
- Power BI

Dashboards include:

Project Portfolio Dashboard

- Multiple project progress

Resource Dashboard

- Resource utilization
- Resource allocation

Milestone Dashboard

- Milestone tracking

Task Overview Dashboard

- Work progress tracking

Financial Dashboard

- S-Curve
- Budget vs actual cost

Gulf doesn't pay for experience — it pays for project control skills.

Industry Career Focus

Program designed for:

- Civil Engineers
- Construction Managers
- Project Engineers
- Planning Engineers
- PMC Professionals
- Contractors
- CXO's, Project Directors

Career Growth Path

Site Engineer → Planning Engineer → Project Manager → Vice President

