

# BOOTCAMP

## From Projects to Production: A Planning-First Execution Model for CAPEX Delivery



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09:30 – 16:15



Al Dana, Grand Hyatt  
Conference & Exhibition  
Centre, Dubai



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# What's Included in the Bootcamp



## Bootcamp Manual

Practitioner-grade guide based on the PP2E framework



## Planning & Execution Templates

Tools for POC, CTCM, Mini-Projects, and planning workflows



## Case Studies & Resources

Real-world CAPEX planning scenarios (CWA 600 case study)



## Certificate of Participation

Recognition for completing the Bootcamp



## Expo souvenir

Tote bag, notebook, and pen



## Course Overview:

This intensive one-day bootcamp is part of Project Controls Expo UAE, held at the Grand Hyatt Conference & Exhibition Centre, Dubai.

It delivers a practitioner-grade planning framework for CAPEX delivery, built around the Precision Planning (PP2E) methodology.

## Participants will learn how to:

- Build construction sequences from physical logic (Path of Construction)
- Apply constraint-based planning using measurable systems (CTCM)
- Align engineering, procurement, and construction through Mini-Projects and Backward Pass

## By the end of the bootcamp, participants will be able to:

- Replace schedule-driven planning with logic-driven execution systems
- Make sequencing decisions using measurable constraint data
- Measure progress based on physical installation, not effort

## Approach:

### Bootcamp – A Comprehensive One-Day Training Course

#### Why the Bootcamp approach?

Bootcamps offer a fast-track approach to acquiring in-demand skills, making them highly effective for professionals seeking to strengthen execution capability on complex CAPEX projects.

**This bootcamp is designed around a planning-first execution model, addressing three core industry failures:**

- Incorrect planning units
- Assumed sequencing instead of derived logic
- Progress measured against effort instead of installation

**The program uses a practice-led methodology:**

- Each module starts with a real project failure
- Theory is introduced only to support application
- Learning is reinforced through exercises and a live case study

## What you'll get:



### **Planning System Thinking:**

Understand how planning integrates across engineering, procurement, and construction



### **Execution-Driven Sequencing:**

Build and validate the Path of Construction before scheduling



### **Constraint-Based Decision Making:**

Apply CTCM matrices to evaluate and manage execution risks



### **Mini-Project Governance:**

Align EWP, PWP, and CWP through Backward Pass methodology



### **Real Progress Measurement:**

Use Rules of Progress and Productivity Factor for true performance tracking



### **Integrated Planning Levels:**

Operate L3, L4, and L5 as a connected execution system

## Who Should Attend:

This program is designed for mid to senior-level professionals involved in CAPEX project delivery, including:

**Construction Managers**

**Planning Engineers**

**Project Controls Professionals**

**Engineering Managers**

**Procurement Leads**

**Owners & PMC Representatives**

Participants should be responsible for planning, execution, or project governance and looking to improve delivery performance.



## Prerequisites:

Based on the bootcamp agenda—which includes planning logic, constraint analysis, and execution-level control—the recommended level of attendee expertise should fall into the intermediate category, with flexibility at both ends.

### Attendees should have:

- Understanding of project controls and CAPEX delivery components (cost, schedule, risk)
- Basic familiarity with construction or engineering workflows
- Foundational knowledge of analytical thinking and data interpretation
- Experience with tools such as Microsoft Excel or planning systems

These prerequisites ensure participants can actively engage in hands-on exercises, sequencing logic, and planning simulations, enabling deeper learning and practical application.





# Project Controls

## EXPO

UAE, Middle East



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