

# Advanced Work Packaging Fundamentals Training

Duration: 2 Days

## WHO SHOULD ATTEND

We encourage any capital project professionals to attend this online course. You will find this program especially beneficial if you are leading a construction project or program. This course is also beneficial to any project team member implementing Advanced Work Packaging.

- Project Managers
- Engineering Leads
- Project Controls Professionals
- Program Managers

## LEARNING OBJECTIVES

At the end of this program you will learn:

- Understand the most important components of Advance Work Packaging
- Be fluent in the fundamentals of Advance Work Packaging
- Learn How to Apply Advanced Work Packaging to your project
- Discuss within your organization the requirement for implementing Advance Work Packaging
- Understand the Various Stakeholder Interfacing with Advanced Work Packaging
- Gain Certification in the Advanced Work Packaging Methodology

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The Project Management Specialist

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# COURSE CONTENT

- 1) Why Advanced Work Packaging?
    - AWP and Field Productivity
    - AWP and Construction Excellence
    - AWP and Engineering Predictability
    - Other Benefits of AWP
  - 2) What are the Key Components of Advanced Work Packaging?
    - What is the Advanced Work Packaging Structure?
    - What is Workface Planning?
    - Understanding the Packages in the AWP System
    - AWP and the Stage Gate System
  - 3) What is the Path of Construction?
    - What is a Construction Work Area?
    - Defining Your Construction Driven Plan
    - What are the Components of the POC?
    - POC Roles and Responsibilities
  - 4) What is Engineering Work Packaging?
    - Defining Construction Driven Engineering
    - What is an EWP?
    - Understanding EWP Workflows
    - Who Prepares EWPs?
  - 5) What is Construction Work Packaging?
    - What is a CWP?
    - Understanding CWP Workflows?
    - Who Prepares CWPs?
  - 6) Procurement and Advanced Work Packaging
    - How does AWP Impact Procurement?
    - What is a Procurement Work Number?
  - 7) What is Workface Planning?
    - Understanding the Process of Workface Planning
    - What is an IWP?
    - How to Manage Constraints?
    - How to Manage a Backlog?
  - 8) What are the Advanced Work Packing Roles and Responsibilities?
    - Role of the Workface Planner
    - Role of the AWP Champion
    - Role of the Construction Manager
    - AWP Implications on Traditional Project Roles
  - 9) Project Controls for Advanced Work Packaging
    - What is the AWP-based Work Breakdown Structure?
    - Building an AWP-Based Project Estimate
    - Building an AWP Project Schedule
    - Monitoring AWP KPIs
  - 10) Lessons Learned
    - AWP Implementation Lessons Learned
- \*All Lessons Include a Quiz Titled "Test Your Learning"\*