

## Simplified Integrated Project Controls

Project Controls based on Earned Value Management Principles

### BOOK SYNOPSIS



This book provides clear guidelines on how to manage Project Controls based on Earned Value Management Principles. The aim of this methodology is to give the reader the necessary understanding and knowledge of how to setup a simple project, as well as a multi-discipline complex project correctly, which is one of the main reasons for project control failure. It has been found that the methodology in this book, if applied correctly, enhances the performance of most of the project management and project control software on the market.

The book describes the guidelines for all the necessary Earned Value Management processes, complete with guidelines for integrated baseline reviews, detailed scheduling, cost, as well as dashboard reporting. It also clarifies how to assess progress, measure performance and to establish the true status of a project, and how to manage engineering, procurement, and construction risks at control account level from the very early phases of the project.

This book enables the reader to provide answers to the three most fundamental project controls questions, at each reporting cycle:

- 1) What is the monetary value of the work Planned?
- 2) What is the monetary value of the work Earned?
- 3) What are the actual costs of the work Accomplished?

In Summary, this book provides the "How to...":

- Base projects on an Integrated Work Breakdown Structure.
- Identify all the Control Accounts that will ensure the success of the project objectives.
- Test the authenticity of a Master Schedule based on the IWBSs Control Accounts.
- Develop and agree on a Performance Measurement Baseline, i.e. time-phased S-curve.
- Conduct Integrated Baseline Reviews.
- Objectively and accurately measure Project Performance (technical and progress performance).
- Threshold Management.
- Deliver Progress, Performance, and Status Reports.

The authors trust this book will enhance the career of the reader who wish to become a specialist in the field of Project Controls and to enjoy a very satisfactory career.