



Introduction to Project Management



600-101

INTRODUCTION

Enterprise Consultants International, Ltd.



INTRODUCTION

Large projects in the oil and gas industry create a need for :

- improved project management and implementation strategies.
- a new generation of project managers
- International products and technologies



OBJECTIVES OF THIS COURSE



- Project Management method based on the Purdue Enterprise Reference Architecture (PERA) Life Cycle (see www.pera.net)
- International approach to project management.
- Project management strategies and standards for large, remote projects.



WHAT IS PERA PROJECT MANAGEMENT?



- A structured Project Management method based on the PERA Enterprise Life Cycle Architecture
- Unique advantages:
 - Professional “Roles” or “Disciplines”
 - Strong Project Phasing
 - Integrates Master Planning with Project Execution
 - Defines Human and Information Systems roles
 - Defines project participant roles



Introduction to Project Management Topics

MODULE TOPIC

- 1 Introduction
- 2 Phasing
- 3 The Role of the Project Manager
- 4 Project Deliverables
- 5 Estimating & Cost Control
- 6 Project Scheduling
- 7 Project Procurement and Negotiation
- 8 Project Organization
- 9 The Role of Standards
- 10 Risk Management



e PROJECT PHASES



Project Phasing is similar for Owner and EPC, but differs during “Implementation”

Hand-off from Owner to EPC at each Phase is shown in the “Stage-Gate Diagram”

Owner Perspective	EPC Contractor Perspective
1. Evaluation	1. Feasibility Study Phase – Master Planning
2. Process Selection	2. Conceptual Engineering
3. Definition (FEED)	3. Preliminary Engineering (+ long lead procurement)
4. Implementation	4. Detail Engineering (+ procurement)
	5. Construction
5. Commission & Start-up	6. Commission, Startup, Operations & Maintenance
6. Operations & Maint.	

