

## Project Cost Management Certification

7.00 days

PGP/EMCOU-E

### Overview

#### AUDIENCE

Engineers (owner, contractor) involved in Oil & Gas downstream projects.

#### PURPOSE

Estimating and controlling the cost and schedule of Oil & Gas downstream projects.

#### LEARNING OBJECTIVES

Upon completion of the course, participants will be able to:  
estimate the cost of a project at its various stages, its accuracy and the risk of a cost overrun,  
optimize the cost and schedule of a project during basic engineering,  
control the cost and schedule of a project during its execution.

#### PREREQUISITE

Operational knowledge of the Project Management process.

#### WAYS AND MEANS

Refer to Module 1 "Project Cost Estimating" and Module 2 "Project Cost Control" programs.

#### OBSERVATION

Comprises the two following courses: "Project Cost Estimating" and "Project Cost Control".  
Each module is independent. Nevertheless, to comply with the certification process, both are mandatory.

### Agenda

#### MODULE 1: PROJECT COST ESTIMATING (SEE DETAILED PROGRAM)

4.00 d

Cost structure, cost types, WBS. Methods used to estimate project CAPEX, at each stage.  
Financial risk management (quantitative approach using @Risk), project budget impact.

#### MODULE 2: PROJECT COST CONTROL (SEE DETAILED PROGRAM)

3.00 d

Value engineering, economic evaluation of the project and of the alternates.  
Cost control during execution stages. Progress control, relationship between cost and schedule.