

Project Risk Management (PRM) & Analysis

Program Reference #: PCO-103A

Programme Description:

Dedicated training module in a structured and professional manner to understand Project Risk Management Process and Risk Analysis (including Qualitative, Semi-Quantitative & Quantitative techniques).

Programme Structure:

Risk Management Process (Standard ISO 31000)

- Context Establishment
- Risk Assessment
 - Risk Identification
 - Risk Analysis
 - Risk Evaluation
- Risk Treatment
- Risk Monitoring and Controls
- Risks Consultation and Documentation

Risk Analysis

- Overview
- Risks and Opportunities (R&O)
- *Qualitative Risk Analysis*
 - Introduction & Overview
 - Identification of Risk Factors
 - Generic Risk Categories for Analysis
 - Applications and limits
 - Evaluation Example
- *Semi-Quantitative Risk Analysis*
 - Brief Overview
 - Applications and limits
 - Evaluation Example
- *Quantitative Risk Analysis*
 - Introduction and Overview
 - Applications for Projects
 - Cost Risk Analysis (CRA)
 - Project Cost Management (PCM) Overview
 - PCM Process (PMBOK)
 - Cost Estimate Inputs & Outputs (PMBOK)
 - CRA Overview
 - CRA Objectives

- C&R&O Register and Quality Check
- Uncertainties & Events
- Probability Distributions
- Simulation Methods, Process, Tools & Output
- Common Deficiencies
- Action Plan and Treatment Options
- Cost Monitoring and Controls
- Schedule Risk Analysis (SRA)
 - Project Time Management (PTM) Overview (PMBOK)
 - PTM Process (PMBOK)
 - Project Schedule Development
 - Methods
 - Inputs
 - Outputs
 - Major Challenges
 - Risks & Opportunities (R&O)
 - SRA Overview
 - T&R&O Register and Quality Check
 - Uncertainties & Events
 - Probability Distributions
 - Simulation Tools & Output
 - Action Plan and Treatment Options
 - Time Monitoring and Controls

This training course is customised for:

- Project engineers
- Project development engineers
- Operation engineers
- Cost estimators & engineers
- Planning Engineers
- Project Controls Engineers
- Planners & Schedulers
- Commercial managers
- Quantity surveyors
- Project support managers
- Proposal manager
- Tendering managers

Target Audience: Suitable for beginners and intermediate professionals providing brief overview and introduction on aspects mentioned above. Advanced level courses covering each topic in detail are available separately.

This course is purely for Engineering, Procurement and construction Projects in the following sectors, but not limited to:

- Oil and gas
- Petrochemical
- Infrastructure
- Power Plants
- Turnkey and Pipeline Projects

Medium: The mode of presentation is flash video file. Please ensure your computer has Adobe flash software installed. Classroom sessions are also available and quotation can be requested by contacting us at info@ProjectControlsOnline.com.

Duration: This presentation is expected it to take approximately 6 hours if attempted to complete in one sitting (without any break). However, based on our practical experiences in this subject, we strongly recommend all the concepts in sequential manner (as above) are practiced before moving on to next stage

About Authors:

Pedram Daneshmand, Pedram is a civil engineer with over 15 years experience in the construction industry. He is highly skilled and technically proficient in many aspects of construction including Programming, Programme Performance Measurement, Quantitative Risk Analysis, Contract Management, Schedule Risk Analysis (SRA), Cost Risk Analysis (CRA), Project Monitoring & Controls (PMC) Systems, Earned Value Performance Measurement technique (EVPM) and POW (Program of Work) Planning & Controls.

As an industry innovation award winner for his programming and risk analysis skills, Pedram has led a team of planning and controls professionals within the infrastructure sector. With more than 20 articles/presentations in the professional conferences/journals, he is been regularly invited to the technical events as one of the industry leaders in his field.

Anil Godhawale; Anil is Director of ProjCon Consultants and Founder of ProjectControlsOnline.com. Anil is BEng (Mechanical) and MBA (Finance) by qualification and has over 15 years of international field and home office experience in Project Planning & Scheduling, Cost Engineering, EVA, Risk and Delay Claims Analysis with project values ranging from \$10M to \$1.5B. Anil has a strong Project Controls background & has worked in all phases of projects in various sectors that includes Petroleum & Chemicals, LNG regasification & liquefaction facilities, CCU's (Carbon Capture Units), Power

Projects and Pipelines.

Anil is also very active with industry professional associations as fellow at ACostE, UK and member of AACEi, USA and APM SIG (Special Interest Group) for Planning. Anil is a contributor to CIOB's (UK) guidelines for accreditation in Time Management and APM Planning Guide. Anil also holds distinguished Project Controls Certifications CCE & PSP from AACEI, USA and is a registered member (IEng) of Engineering Council UK. Find out more about Anil and his contribution to industry by visiting www.linkedin.com/in/godhawale

Notes:

- 1) Access to the presentation will be available for 30 days and during this time it can viewed unlimited times.
- 2) Online support during and/or after training can be provided if required. Additional charges to be applied for this feature and can be found out by contacting us at info@ProjectControlsOnline.com
- 3) On completion of course, "certificate of completion" will be issued.

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