



PRIMAVERA RISK ANALYSIS TRAINING



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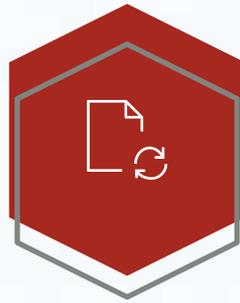
TRAINING ORGANIZATION REGISTERED UNDER N° 11 91 06522 91

36 RUE VICTOR BASCH – 91300 MASSY - FRANCE



Objective

Master the software's functionalities to contribute to decision support. Evaluate the probabilities on the time and financial aspects in order to mitigate the risks and more particularly in an EPC project (Engineering, Procurement, Construction).



Learning outcomes

At the end of this training each participant will be able to evaluate the uncertainties on the time and financial aspects..



Public

This training is intended for project managers and all persons involved in a company project.



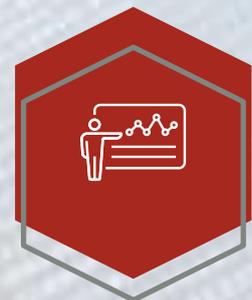
Prerequisite

The fundamentals of project management.



Training materials

Each trainee will be assigned a PC with the Primavera Risk Analysis application. All participants will be provided with training materials at the end of the training. This training includes a theoretical part as well as a case study.



Our instructors

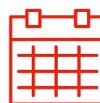
Our trainings are given by international experts recognized for their skills and expertise in risk analysis and complex project management.

PRACTICAL INFORMATION



Duration :

2 days+ 1 day (optional)21 hours



Dates:

Contact us
+33 1 69 81 95 92



Location :

Inhouse training
Brussels – Antwerp
(Belgium)Massy (France)

Introduction to the Basics of **Quantitative Risk Analysis** - Why use Primavera Risk Analysis to improve your management of complex projects?

- Difference between a deterministic parameter and uncertain parameter
- Application for duration and costs
- Probabilistic risk modeling
- Difference between uncertainty and risk
- Main benefits of quantitative risk analysis

Preparation of the risk analysis - Configuration of input data

- Importing project schedules from Primavera P6 or MS Project
- Modification of planning options (schedules, resources, costs)
- Assignment of resources to tasks
- Task coding with Primavera Risk Analysis
- Group and sort
- Verification of **the quality level of the schedule**
- Securing the reference schedule (Baseline)
- Schedule verification reports
- Modeling uncertainty on durations and costs
- Establishing a **strategy for assigning** uncertainties to tasks
- Use of hierarchical level modeling (WBS)
- Risk modeling for random events using the risk register
- Import and export of the risk register to Excel
- Integration of **meteorological constraints**
- Classification of risks by degree of importance

Launching Risk Analysis - Understanding how risk analysis works on Oracle Primavera Risk Analysis

- **Improvement of time and cost estimates**
- Effect of skewed distribution
- Effect of parallel paths
- Effect of correlations between tasks
- Description of the Oracle Primavera Risk Analysis calculation method (**Monte-Carlo simulation**)
- Using iteration simulation

Use of risk analysis to mitigate risks - Use of output data to limit the impact on your projects

- **Creation of customized reports (graphs and tables)**

Distribution Diagram

- Display of P-plannings
- Risk Factors, Tornado Diagram
- Measurement of sensitivities (criticality, cruciality, ...)
- Chart Interpretation with Oracle Primavera Risk Analysis
- Penalty assessment for a reference schedule or a project in progress Implementation of risk mitigation
- Establishment of risk evolution scenarios
- Customized reporting according to project needs

Conclusion on Primavera Risk Analysis Training

(optional)

Practical case study workshop for a high stakes project requiring a risk analysis



DAY 1



DAY 2



DAY 3