



CIVIL ENGINEERING AND CONSTRUCTION TRAINING

Construction Risk Management

5 day course

Classroom, online or in-house

Course overview

Cost overruns and late completion on infrastructure projects seldom come from events nobody could foresee. They come from known ground, supply chain, design and interface risks that were listed once at inception and never managed. This course treats risk as a commercial and programme discipline across the life of a project. Delegates identify risks with structured techniques, assess likelihood and impact, and build a live register with owners and responses. Quantitative methods follow, including Monte Carlo simulation of cost and schedule, contingency setting and confidence levels. Allocation of risk through contract form, insurance and bonds is examined from client and contractor viewpoints, along with currency and inflation exposure in African markets. Delegates leave able to run a risk workshop, quantify contingency and report risk exposure to a project board.

What you will learn

- Apply structured techniques to identify project risks and opportunities
- Assess likelihood and consequence and rank risks consistently
- Maintain a risk register with owners, responses and trigger points
- Run Monte Carlo simulation of cost estimates and programmes
- Set contingency at a stated confidence level and manage its drawdown
- Evaluate how contract form, insurance and securities allocate risk
- Assess currency, inflation and supply chain exposure on regional projects
- Report risk exposure and trends to sponsors and project boards

Who should attend

- Project and programme managers
- Commercial managers and quantity surveyors
- Cost and planning engineers
- Client and funder project representatives
- Risk managers in infrastructure and construction organisations

Course outline

- 01 Risk principles and the project life cycle
- 02 Identification techniques and workshops
- 03 Qualitative assessment and the risk register
- 04 Quantitative cost risk analysis
- 05 Schedule risk analysis
- 06 Contingency setting and drawdown
- 07 Risk allocation, insurance and securities
- 08 Currency, inflation and supply chain exposure
- 09 Monitoring and reporting risk

Upcoming dates



Dates	Venue	Format	Fee per delegate
2 to 6 November 2026	Online	Online	R8,500
7 to 11 December 2026	Johannesburg, South Africa	Classroom	R19,950
8 to 12 February 2027	Gaborone, Botswana	Classroom	R19,950
22 to 26 February 2027	Durban, South Africa	Classroom	R19,950

Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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