



PROJECT AND CONTRACT MANAGEMENT

Front End Engineering Design Management

5 day course

Classroom, online or in-house

Course overview

The decisions with the largest effect on a capital project's cost are made before detailed design starts, when the least is known and the least is being spent. This course covers managing that phase. Delegates work through concept selection and the studies that support it, the front end loading measures that predict project outcome, and the scope definition that a good design basis produces. Estimating accuracy by phase is covered honestly, including why a class 4 estimate cannot be treated as a commitment. Risk and value work are integrated. The course closes on the stage gate decision, on readiness for detailed design, and on the cost of moving forward unprepared.

What you will learn

- Run concept selection and the studies that support it
- Apply front end loading measures to predict project outcome
- Produce a design basis that properly defines scope
- Interpret estimating accuracy by project phase
- Integrate risk and value work into the front end
- Prepare and defend a stage gate decision
- Assess readiness for detailed design honestly

Who should attend

- Project and engineering managers on capital projects
- Front end and concept engineers
- Cost estimators and project controls staff
- Business development and investment staff
- Executives approving capital projects at stage gates

Course outline

- 01 Where the cost is actually decided
- 02 Concept selection and supporting studies
- 03 Front end loading measures
- 04 Design basis and scope definition
- 05 Estimating accuracy by phase
- 06 Risk and value integration
- 07 Stage gate decisions
- 08 Readiness for detailed design

Upcoming dates

Dates	Venue	Format	Fee per delegate
16 to 20 November 2026	Online	Online	R8,500
30 November to 4 December 2026	Dar es Salaam, Tanzania	Classroom	USD 1,325
7 to 11 December 2026	Durban, South Africa	Classroom	R19,950
15 to 19 February 2027	Pretoria, 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**.

AfriScience Group | +27 61 536 6531 | info@afriscience.co.za | Pretoria, Gauteng, South Africa