



MAINTENANCE MANAGEMENT TRAINING

Lean Six Sigma Black Belt

10 day course

Classroom, online or in-house

Course overview

An extended programme for those who will lead improvement projects and coach others. Delegates work through the full method with the statistical depth that distinguishes a black belt: measurement system analysis, capability studies, hypothesis testing, regression, designed experiments and control strategy. Equal weight is given to the leadership half of the role, which is where most black belt projects actually fail: securing a sponsor, defining a project that can finish, managing a team the belt does not line manage, and handing over a control plan that the process owner will maintain. Delegates carry a project through the programme.

What you will learn

- Lead a project through the full improvement cycle
- Conduct measurement system analysis and capability studies
- Apply hypothesis testing and regression to process data
- Design and analyse experiments to identify significant factors
- Build a control strategy the process owner will sustain
- Secure a sponsor and define a project that can actually finish
- Lead a team you do not line manage
- Coach yellow and green belt practitioners

Who should attend

- Continuous improvement leads and managers
- Quality and process engineers
- Operations managers driving improvement
- Green belts progressing to project leadership
- Internal consultants and change practitioners

Course outline

- 01 Project selection and defining work that can finish
- 02 Sponsorship, charter and scope control
- 03 Measurement system analysis
- 04 Process capability and baseline establishment
- 05 Hypothesis testing and confidence
- 06 Regression and relationship analysis
- 07 Designed experiments
- 08 Improvement selection and piloting
- 09 Control strategy and handover to the process owner
- 10 Leading a team without line authority, and coaching others

Upcoming dates



Dates	Venue	Format	Fee per delegate
30 November to 11 December 2026	Cape Town, South Africa	Classroom	R32,450
11 to 22 January 2027	Kigali, Rwanda	Classroom	USD 2,150
1 to 12 February 2027	Port Louis, Mauritius	Classroom	USD 2,150
8 to 19 March 2027	Online	Online	R13,500

Fees and how to register

This 10 day course is **R13,500** per delegate online, **R32,450** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 2,150** 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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