



CYBERSECURITY AND IT TRAINING

Operational Technology and Control System Security

5 day course

Classroom, online or in-house

Course overview

Control systems were designed for availability and safety on networks assumed to be isolated, and that assumption ended some years ago while the equipment stayed exactly the same. This course covers securing them without stopping the plant. Delegates work through how control system environments differ from corporate networks, including patching windows measured in years and equipment that cannot be scanned safely, and the reference architecture of zones and conduits used to segment them. Asset discovery in an environment where active scanning is dangerous is covered. Remote and vendor access receives full attention, since it is the commonest entry route. Monitoring, incident response and the safety interaction are addressed. The course closes on procurement requirements for new control equipment.

What you will learn

- Explain how control system security differs from corporate security
- Apply a zones and conduits reference architecture
- Discover assets without active scanning that could disrupt the process
- Control remote and vendor access to operational systems
- Patch and manage change within realistic operational constraints
- Monitor and respond to incidents without compromising safety
- Write security requirements into control equipment procurement

Who should attend

- Control, instrumentation and automation engineers
- IT and information security staff supporting industrial sites
- Plant and operations managers
- Maintenance staff with system access
- Vendors and integrators supplying control equipment

Course outline

- 01 Isolation that ended while the equipment stayed
- 02 How control environments differ
- 03 Zones, conduits and segmentation
- 04 Asset discovery without active scanning
- 05 Remote and vendor access
- 06 Patching and change within operational constraints
- 07 Monitoring, response and the safety interaction
- 08 Security requirements in equipment procurement

Upcoming dates

Dates	Venue	Format	Fee per delegate
19 to 23 October 2026	Lagos, Nigeria	Classroom	USD 1,325
23 to 27 November 2026	Kigali, Rwanda	Classroom	USD 1,325
14 to 18 December 2026	Online	Online	R8,500
15 to 19 March 2027	Harare, Zimbabwe	Classroom	USD 1,325



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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