



EMERGING TECHNOLOGIES TRAINING

Industrial Internet of Things

5 day course

Classroom, online or in-house

Course overview

Connecting equipment is the easy part of an industrial sensing programme, and the part that usually gets funded; making the resulting data change a decision is the part that determines whether it was worth doing. This course covers both. Delegates work through sensing and measurement selection, the connectivity options available on an industrial site and the trade offs between range, power and bandwidth, and edge against central processing. Data architecture and the platform choices behind it are covered. Security receives full attention, since these devices sit on operational networks and are rarely patched. Power and installation practicalities follow. The course closes on building a business case and on the pilots that never scale.

What you will learn

- Select sensing and measurement appropriate to the question being asked
- Compare connectivity options on range, power, bandwidth and cost
- Decide what is processed at the edge and what is sent onward
- Design the data architecture and platform behind a deployment
- Secure devices that sit on operational networks and are rarely patched
- Handle power, mounting and installation realities
- Build a business case and avoid a pilot that never scales

Who should attend

- Engineering and maintenance staff deploying sensors
- Instrumentation and control engineers
- IT and operational technology staff
- Operations managers evaluating monitoring investment
- Project engineers specifying connected equipment

Course outline

- 01 Connecting equipment against changing a decision
- 02 Sensing and measurement selection
- 03 Connectivity options and trade offs
- 04 Edge against central processing
- 05 Data architecture and platforms
- 06 Security on operational networks
- 07 Power, mounting and installation
- 08 Business case and scaling beyond the pilot

Upcoming dates

Dates	Venue	Format	Fee per delegate
19 to 23 October 2026	Gaborone, Botswana	Classroom	R19,950
2 to 6 November 2026	Online	Online	R8,500
30 November to 4 December 2026	Pretoria, South Africa	Classroom	R19,950
4 to 8 January 2027	Dar es Salaam, Tanzania	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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