



EMERGING TECHNOLOGIES TRAINING

Intelligent Transportation Systems and Smart Mobility

3 day course

Classroom, online or in-house

Course overview

Transport technology deployed onto a network that is already congested and poorly maintained tends to measure the problem more precisely rather than reduce it, which is why so many intelligent transport projects disappoint. This course starts from the operational question. Delegates work through sensing and data collection across loops, cameras and probe data, and what each is good for. Traffic signal control and adaptive systems follow, including the conditions under which they help. Traveller information and its effect on behaviour is covered. Public transport priority, fleet management and fare systems are addressed. Enforcement, tolling and the institutional arrangements each requires follow. Data platforms, integration and open standards are covered. The course closes on procurement, on operations and maintenance after the vendor leaves, and on the projects worth doing in a constrained budget.

What you will learn

- Match sensing and data collection methods to the question asked
- Judge when adaptive signal control genuinely helps
- Use traveller information to change behaviour
- Apply public transport priority, fleet management and fare systems
- Set up enforcement and tolling with the institutions they require
- Integrate data platforms using open standards
- Procure, operate and maintain systems after the vendor leaves

Who should attend

- Transport planners
- Logistics managers
- Fleet operations managers
- Municipal traffic engineers
- Infrastructure consultants

Course outline

- 01 Measuring congestion more precisely
- 02 Sensing, cameras and probe data
- 03 Signal control and adaptive systems
- 04 Traveller information and behaviour
- 05 Public transport priority and fleets
- 06 Fare systems, enforcement and tolling
- 07 Data platforms and open standards
- 08 Procurement, operations and constrained budgets

Upcoming dates

Dates	Venue	Format	Fee per delegate
19 to 21 October 2026	Pretoria, South Africa	Classroom	R14,950
16 to 18 November 2026	Online	Online	R6,500
20 to 22 January 2027	Port Louis, Mauritius	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** 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