

2 CPD Credits:

ECSA SAICEEL24/03452/27 / SAICEcon24/03501/27

CPD  
Validated

# How to Develop an Infrastructure Asset Management Plan in 3 months

A two-day course that will equip attendees with the skills to prepare an **Infrastructure Asset Management Plan** - an essential enabler for service delivery for current and future generations.



## Attend this course and understand:

- Why the preparation of an Asset Management Plan (AMP) is essential for effective management
- What the content of an AMP is
- How to deal with imperfect and incomplete data
- What a sound preparation process is and who participates
- Techniques to determine a holistic overview of all infrastructure lifecycle needs ... and priorities
- How to assess the maturity of current asset management (AM) practice and identify improvement needs
- How to determine a credible and integrated infrastructure management plan

## Benefits include:

- Comprehensive training manual that will serve as reference material
- Key concepts, definitions and techniques
- Asset Management Plan template
- Participation in interactive group activities
- CPD credits (ECSA)

## Presenter:

Rob Childs Pr Eng PMP CSAM

## COURSE DATES & VENUES

Scheduled courses are offered online and face-to-face around the country based on demand.

Please contact Lizéle du Preez for more information on upcoming courses: [Lizelle@saicepdp.org](mailto:Lizelle@saicepdp.org) / 011 476 4100

TIMES: 08:00 for 08:30 to 16:30

## REGISTRATION

To register, visit [www.candidateacademy.co.za](http://www.candidateacademy.co.za)  
OR email [Academy@saicepdp.org](mailto:Academy@saicepdp.org)

## WHO SHOULD ATTEND

The course helps graduates apply their theoretical training in practice. It is therefore recommended for:

- Candidate engineers, technologists and technicians
- People from engineering, planning, or financial disciplines engaged in the preparation of strategic and tactical plans for the management of infrastructure, at municipalities and similar entities.
- Experienced officials seeking an update on modern best practice.

## COURSE CONTENT

### ASSET MANAGEMENT CONTEXT

- Organisational mandate, structure, sector responsibility and resourcing strategy
- What is an Asset Management Framework?
- What is an Asset Management Plan (AMP)?
- What is a Strategic Asset Management Plan (SAMP)?

### WHY 3 MONTHS?

- Process and timing considerations
- Stakeholders

### HOW TO GET COMPLETE BASELINE DATA

- Determine a complete picture of the nature, extent, value and status of existing infrastructure, right from the start
- Deal with scope, scale and consistency

### DETERMINE ALL THE LIFE-CYCLE NEEDS

- Failure modes (**condition, capacity, performance**) and their assessment
- Model capital renewal and maintenance needs
- Infrastructure service levels, standards and backlogs
- Future demand, management and lifecycle needs

### WHAT IS MOST CRITICAL?

- Criticality assessment

### AFFORDABILITY

- Financial status, recent and planned performance: opportunities and constraints

### QUALITY OF MANAGEMENT PRACTICE

- AM practice assessment
- Improvement needs and planning
- **Capital and maintenance management**

### RISK

- Identify exposure
- Response review
- Assess current strategies, programmes and projects
- Risk plan

### PERFORMANCE

- AM Objectives
- Key Performance Areas and Indicators
- Links to strategy and Integrated Development Plan (IDP)

### FORMULATING A CREDIBLE PLAN

- Initial working document
- Assessment of existing responses
- Determination of priorities and tactics
- Stakeholder engagement
- Adoption ... and implementation

## ABOUT YOUR FACILITATOR

**Rob Kudu** obtained his BSc Civil Engineering from Teesside University in England, a Graduate Diploma in Engineering from the University of the Witwatersrand and a Graduate Certificate in Asset Management from the Institute of Quality Asset Management.

Rob is a professional engineer, project manager and infrastructure asset manager with 40 years experience in civil infrastructure and buildings in Southern Africa, the Middle and Far East, and the UK. His focus in the last 20 years has been on providing advice in the strategic management of public infrastructure and property portfolios across all sectors and spheres of government. He has contributed to a number of published infrastructure asset management guidelines, is a council member of the Southern African Asset Management Association (SAAMA), and a director of the World Partners in Asset Management (WPiAM).

In-house courses can be arranged.

Contact Lizelle at [lizelle@saicepdp.org](mailto:lizelle@saicepdp.org) for more information.

### WHAT TO BRING TO THE COURSE

- Laptop with MS Suite
- Internet connectivity
- Pen & paper



**candidate  
academy**  
the road to registration – tower above the rest

The Candidate Academy's philosophy is to support candidates on their road to registration with ECSA, by helping them through the transition from theoretical training to the 'how' of engineering projects and processes. The Academy offers practical, hands-on training relevant to experiences in the workplace.