

Facilitators



For over a decade **Andries Reijneveld** has gained experience in all aspects of the airside civil design, in both big and small projects in the capacity of geometrical specialist as well as design lead. His primary skills include: geometrical airside

design for runways, taxiways, aprons, aircraft parking positions and aprons. Andries has extensive experience and enjoys working in multicultural settings. He has been involved in airport projects from Amsterdam to Kuwait to Julius Nyerere International Airport in Tanzania.



Over the last 12 years, Aasif Bapoo has build up a vast experience in airfield ground lighting, apron systems, power distribution systems and control systems. Working from the NACO South Africa office, Aasif has been involved in airport projects from

Ireland to the Netherlands to Rwanda.



Capt. Jaco Bruggeling is a senior captain on the Airbus 330 for KLM Royal Dutch Airlines. He will provide a flight operational perspective to airport engineering.

Tom Kok is director of the AviAssist Foundation with over two decades experience with safety project management & promotion in East and Southern Africa.

Course expectations & certificates

The AviAssist Foundation implements high quality training programs. The course design follows international standards as laid out by the International Civil Aviation Organization and leading regulators from across the world.

The Foundation will provide uniquely numbered certificates of completion to all students upon passing the course exam obtaining a grade of 75% or higher as well as 100% attendance.

Our certificates with their unique identifier provides proof for an employer or other institution that you and only you took and passed the course. At the back of the certificates, you'll find an overview of the topics covered for reference purposes.

About the ASPC-Rwanda

The AviAssist Safety Promotion Centre (ASPC)-Rwanda is an initiative by the AviAssist Foundation and its partners to create East Africa's leading resource centre for safety promotion. The ASPC is open to anyone who wishes to use its resources and is a non-profit venture.

ASPC-Rwanda partners include:



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By AVIASSIST FOUNDATION & partners

Introduction to Airport engineering Course

15 - 18 July - Kigali, Rwanda



Hosted by:



With:



The AviAssist Foundation is powered by among others:



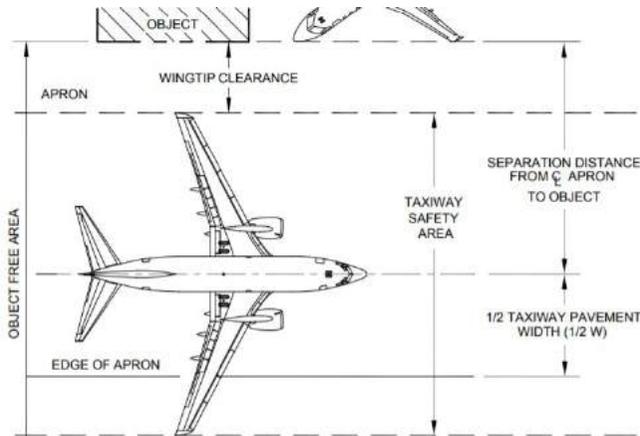
And other partners

Course background

The number of new airport projects and airport expansion projects in Africa is growing rapidly. Airport engineers research, design and oversee the construction, renovation and maintenance of airports. Airport engineers generally hold a degree in civil, mechanical or structural engineering.

This course aims to ease the preparation to transition from general engineering into a fascinating career in airport engineering.

It aims to better equip engineers, airport planners, designers and managers who are responsible for establishing and maintaining safe, efficient and reliable aircraft operations at African airports now and in the future.



Course overview

The course design follows international best practices from across the world and works on the basis of ICAO Standards as well as industry standards (ACI, IATA etc.)

A continuous assessment is being conducted during the course to evaluate the learning effects of the participants.

On completion of the course, participants will:

- Have an understanding of the key principles and

practices relating to airport engineering.

- Be introduced to the appropriate and relevant regulatory requirements and to commonly adopted international design standards and ICAO regulations
- Have acquired technical knowledge on airport-related engineering practices in accordance with international standards
- Examine major criteria and considerations involved in airport engineering & engineering supervision
- Learn about factors to consider in the design and construction of airports and its facilities
- Have gained valuable insights into current airport engineering practices



Target audience

The course is designed for those who have or should have a role in the effective planning and construction of new airports and airport expansion projects, including: managers, engineers, inspectors, surveyors and specialists of

- Aerodrome Operators
- Aerodrome Safety & Standards
- Airside Operations
- Engineering

- Surveying
- From (but not limited to) :
- Civil Aviation Authorities
 - Airport Operators
 - Engineering Contractors
 - City planning authorities

Course content

The course will include, but is not limited to, the following topics:

- Airside designs: runways, taxiways and aprons
- Visual aids and airfield lighting
- Airside pavement engineering
- Navigational aids
- Engineering for safety



Course delivery

The four day course will be delivered in a series of lectures, combined with interactive discussions, exercises and case studies. An active role of the participants will be required and measured.

Participants will be subscribed to the Foundation's magazine SafetyFocus to support the understanding and application phase of their learning as well as widen their appreciation of aviation safety issues and motivate them in their work.