APPENDIX 45

AVIATION PROTOCOL COMPLIANCE STATEMENT

REPORT

Aviation Specialist Studies in support of the Environmental Impact Assessment at Cape Winelands Airport

Civil Aviation Compliance Statement

Client: Cape Winelands Airport

Reference: MD5423-RHD-XX-ZZ-RP-Z-0003

Status: Draft/01

Date: 11 November 2024





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Appendices

Appendix A – Specialist CV



1 Introduction

1.1 Appointment

On the 4th of April 2022, Royal HaskoningDHV (Pty) Ltd (operating as NACO, Netherlands Airport Consultants) was appointed by Cape Winelands Airport Ltd for the provision of aviation specialist studies in contribution to the Environmental Impact Assessment (EIA) for the Cape Winelands Airport (CWA). NACO is represented on this project by Mr. Marcel Langeslag.

The Environmental Assessment Practitioner (EAP) for this project, appointed separately by CWA, is PHS Consulting (Pty) Ltd, represented by Mr. Paul Slabbert.

1.2 Specialists

This report was prepared by Mr. Marcel Langeslag MEng MM, Director Aviation Africa at NACO (CV in Appendix A).

1.3 Declaration of consultant

Royal HaskoningDHV, operating as NACO, Netherlands Airport Consultants, hereby declares that it: acts as the independent specialist in this study; does not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the appointment for the provision of aviation specialist studies; does not have and will not have any vested interest in the activity proceeding; has no, and will not engage in, conflicting interests in the undertaking of the activity; undertakes to disclose, to the competent authority, any material information that have or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the Environmental Impact Assessment Regulations, 2017 (as amended); and, will provide the competent authority with access to all information at our disposal regarding the study.

Signed by the authorized representative:

Mr. M. Langeslag, MEng MM

1.4 Scope and purpose of the report

This report serves as the Civil Aviation Compliance Statement, as referred to in the Protocol for the Specialist Assessment and Minimum Report Content Requirements for Environmental Impacts on Civil Aviation Installations, published in Government Notice No. 320, Government Gazette 43110 of 20 March 2020. The report aims to confirm whether or not the proposed development of CWA will have an unacceptable impact on civil aviation installations.



2 Development footprint

The CWA site is located to the northeast of Cape Town, approximately 13km from Durbanville, within the East Rural area of the City of Cape Town Municipality. The proposed development of the airport will be carried out in two phases. In phase 1 of the development, the runway 01-19 will be in place to accommodate scheduled air traffic, high-performance business jets and general aviation traffic. Intersection take-off points may be introduced to improve efficiency for general aviation operations. In phase 2 the airport facilities will be expanded to accommodate growing demand.

The Baseline Assessment Report (Final/03 dated 23 August 2024) notes 24 airports/helistops/airstrips in a 20 nm (+/- 37 km) radius from Cape Winelands Airport. Most of these are used by local farmers and/or wine producers in the area. However, several of these airports do facilitate significant scheduled and/or unscheduled aircraft movements, which may be affected by the proposed developments at CWA, including the following:

Table 2-1: Aerodromes with significant operations within 20nm distance from CWA

#	Airport/Airstrip/Helistop	Distance from CWA	Surface, facilities and usage
1.	Morningstar (WCMC Club)	+/- 9.6nm	1 x Asphalt/Frequency, Hangers & Buildings/ Local & Training
2.	Stellenbosch	+/-13 nm	1 x Asphalt/Frequency, Hangers & Buildings/ General Aviation & Training
3.	Air Force Base Ysterplaat	+/-14nm	1 x Asphalt/Military Facilities/Military & State usage
4.	Cape Town International Airport – ACSA	+/- 14nm	2 x Asphalt/All Commercial Facilities/ Commercial International usage

The image below shows the proposed development overlaid on the civil aviation sensitivity map generated by the screening tool (compiled by PHS Consulting, dated 31/05/2023).

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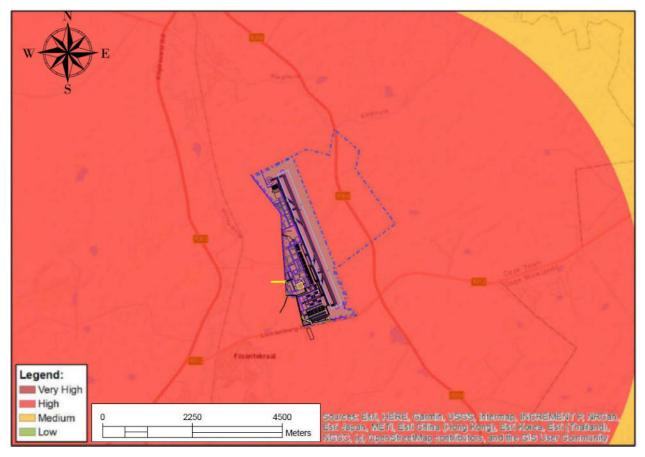


Figure 2-1: CWA Development Footprint on Civil Aviation Sensitivity Map

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3 Site sensitivity confirmation

The Department of Forestry, Fisheries and Environment (DFFE) screening report for the Cape Winelands Airport Expansion, compiled on 31 April 2023 by PHS Consulting, indicated High sensitivity of the proposed site with regards to civil aviation.

The Baseline Assessment Report and Site Sensitivity Verification (Final/03 dated 23 August 2024) describes the infrastructure and facilities in place at the CWA, and the current activities taking place there, all of which are in line with the current land zoning and the status of CWA as a licensed aerodrome. It recognises that the proposed introduction of scheduled commercial air traffic in the vicinity of the Cape Town International Airport (CTIA) controlled airspace and the other aerodromes in the area is likely to impact operations at these aerodromes. It further confirms the environmental sensitivity, as identified by the screening tool, to be high

Based on assessments that have been carried out, and are referenced later in this report, the environmental sensitivity in terms of impacts on civil aviation installations is still considered high, as the impacts are considered significant but can potentially be mitigated.



4 Impact on Civil Aviation Installations

The Baseline Assessment Report and Site Sensitivity Verification (Final/03 dated 23 August 2024) identified several potential impacts on civil aviation installations. Several assessments have been carried out to investigate the potential impacts and mitigation measures.

4.1 Obstacle Limitation Surfaces

The proposed development of runway 01/19 at CWA to a Code F instrument runway will change the Obstacle Limitation Surfaces (OLS) applicable at the airport. To inform this development, an OLS survey was carried out by Air Traffic Navigation Services (ATNS), titled ICAO Amended Annex 14 Obstacle Assessment Report, For Cape Winelands Airport ATNS/Annex 14 - 04/10/2022 Issue 2.

In addition, NACO carried out an assessment of the OLS for the runway in order to visualise the height limitations it may impose on nearby developments. This report is titled Obstacle Limitation Surfaces: Visualisation of Development Heights Available in the vicinity of the Cape Winelands Airport (01/Final, dated 16 August 2024).

The OLS survey by ATNS identified several obstacles, both within and outside the airport boundary, that may penetrate the OLS. These obstacles will have to be taken into account in design of the airport infrastructure and flight procedures with appropriate mitigation measures, mapping of obstacles and publishing relevant information in AIP.

The OLS visualisation by NACO showed that the proposed runway development will impact the permissible development height on properties in the vicinity of the airport. This highlights the need to engage with local landowners about the impacts the proposed OLS for the airport may have but, while important, this is not an impact on civil aviation installations.

4.2 Airspace

The proposed introduction of scheduled commercial operations will impact the airspace environment around CWA, which includes the controlled airspace at CTIA and so-called general flying areas used by General Aviation (GA) operators in the area. The airspace at CWA is currently not controlled but will have to be controlled for scheduled commercial traffic to operate under Instrument Flight Rules (IFR). This will also present the need for IFR procedures to be implemented, which will impact the design of airspace in the area.

In order to evaluate this impact of the proposed development on air traffic operations in the area, a concept of operations for the airspace was developed by NACO, ATNS and the Netherlands Aerospace Centre (NLR). This report is titled Final Report: Development of an Airspace CONOPS for the Cape Winelands Airport 08 October 2024 – REVISED FINAL. It proposes a high-level concept of IFR procedures, joining of existing flight routes and considerations for routing of traffic operating under Visual Flight Rules (VFR). While many details remain to be resolved, it indicates that in principle, the integration of CWA into the regional airspace should be possible.

This CONOPS Report was presented to the South Africa Civil Aviation Authority's (SACAA) National Airspace Committee (NASCOM), which established the CWA Task Force to operationalise the concept of operations. It is noted that the Task Force has successfully concluded its mandate and confirmed that the CONOPS has effectively addressed the operational requirements necessary to integrate CWA into the existing national airspace structure.



Public consultations that took place as part of the Environmental Impact Assessment (EIA) for the proposed CWA development resulted in inputs and comments on the CONOPS Report from various Interested & Affected Parties (I&AP). Many of these comments related to the need to ensure seamless integration of airspace and flight procedures for CWA and CTIA, in order to ensure both airports are able to operate at their desired and projected capacity. Other comments dealt with the need to accommodate VFR operations in the area, including at nearby aerodromes and general flying areas, in order to ensure these operations are able to proceed safely and efficiently.

To address these comments, and to further operationalise the CONOPS, flight procedure and airspace designs will have to be developed and approved. This process should follow commonly accepted Collaborative Decision Making (CDM) principles, as prescribed in the National Airspace Masterplan, and the relevant international and local standards and recommended practices. Provided this process is followed as prescribed, there is no indication that the identified impacts of the CWA development on air traffic operations in the region cannot be mitigated effectively.

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5 Comment from the South African Civil Aviation Authority (SACAA)

Throughout the EIA process, the SACAA, as one of the I&APs, has provided written comments on at least two occasions. Two letters, both titled AVIATION ENVIRONMENTAL PROTECTION COMMENTS ON THE PROPOSED EXPANSIONS OF CAPE WINELANDS AIRPORT, dated 06 December 2023 (with enquiries directed to Ms. Evelyn Shogole) and 05 August 2024 (with enquiries directed to Ms. Pamela Madondo), highlighted several applicable regulations and processes to be taken into account in the further development of the CWA airport. Neither of these letters identified any significant negative impacts of the proposed development on nearby civil aviation installations, suggested any impacts to be unacceptable, or raised the need for further assessments to be undertaken as part of the EIA.

The Protocol for the Specialist Assessment and Minimum Report Content Requirements for Environmental Impacts on Civil Aviation Installations requires "a comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations". This comment will be formally requested from the SACAA and included in this report when it becomes available.



6 Conclusion

The proposed airport development will undoubtedly impact airspace operations in the area, as well as neighbouring developments. However, it is our understanding that these impacts have been thoroughly identified and analysed, and none are considered unacceptable.

The further design of airport infrastructure, airspace, and flight procedures should adhere to prescribed methods and comply with applicable legislation, regulations, standards, and recommended practices. This approach will ensure that any impacts are appropriately mitigated and managed, resulting in a compliant airport with operations that integrate seamlessly into the regional and national civil aviation environment.

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Appendix A – Specialist CV

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Curriculum Vitae

Marcel Langeslag

Aviation

Director Aviation Africa

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As a senior project manager, airport planner, and business consultant, Marcel has extensive experience in the global aviation industry. He excels in leading multi-disciplinary and multi-national teams. Marcel assists clients with conceptual thinking and an integrated approach to airport development, ensuring the relevance and interrelationships of all technical disciplines, commercial considerations, and stakeholder demands.

Marcel's expertise spans new-build, expansion, and refurbishment projects, including planning and design of airport infrastructure, special airport systems, site utilities, and building services. He is also skilled in airport city planning, air cargo development, feasibility studies, strategy development, transaction advisory, and commercial and financial planning.

At NACO, he leads the Aviation Advisory practice, expanding the portfolio of business and policy consulting services. He also heads Business Development in Africa, frequently delivers presentations, participates in panel sessions, and provides training at aviation events on the continent. Additionally, he is an active member of the ACI Africa Regional Committees.

Nationality

Dutch

Years of experience

16

Years with Royal HaskoningDHV

11

Professional memberships

South African Institute of Draughting, M171050 Engineering Council of South Africa, Candidate 2022403992

Special skills

Project Management

Airport Strategy & Planning

Feasibility Studies

Project Finance

Qualifications

2024 Project Finance Practitioner Certificate

Euromoney e-Learning, online

2021 Financing and Investing in Infrastructure

SDA Bocconi School of Management, online

2016 Master of Management (MM) in Finance and Investment

Wits Business School, Johannesburg, South Africa

Cum Laude & Dean's List of Merit Award

2013 Financial Management

Gordon Institute of Business Science Sandton, Johannesburg, South Africa

2008 Master of Engineering (MEng) in Mechanical

Engineering and Design with Professional Development

Brunel University, West London, United Kingdom

Professional experience

NACO, Johannesburg, South Africa:

Design Competition for Terminal 2 at Al Wajh Airport

- > 2024 | Saudi Arabia
- Project Manager and Consultant supporting an architectural firm in the design competition for a new terminal building at the airport for end-client Red Sea Global.

Global Airport ESG Framework for ACI World

- > 2023 present | Canada
- Project Manager for the development of the first ESG Framework for the global airports industry. The project includes extensive stakeholder engagement, an inperson forum for selected industry participants and a pilot phase involving ESG and Decarbonisation Roadmap developments for several airports.

Business Development Support and Upgrade of Air Cargo Warehouses for Swissport in Johannesburg and Cape Town

- > 2023 present | South Africa
- Project Manager and Lead Consultant for the assessment of air cargo facilities and design of warehouse upgrades, including project management support services for the implementation. Supporting the CEO in strategy workshops and stakeholder presentations.

Planning and Design of New Cargo, MRO and FBO Precincts at Lanseria International Airport

- > 2023 present | South Africa
- Project Director and Lead Consultant for the development of new air cargo, MRO and FBO precincts. The project includes an air cargo market assessment, master planning of the precinct and design of all infrastructure and facilities. Supporting the airport CEO in Board meetings and investor engagements.

Aviation Sustainability Training Courses for ACI Africa

- > 2023 present | Morocco
- Project Manager and Consultant for the development and delivery of several training courses as part of the African Airports Development Programme. Courses include ESG, Strategy & Finance, Alternative Aviation Fuels, Airport Energy Transition, and Airport Climate Resilience.

Benchmarking Study for Integrated Operations and Control Centre at Toronto Pearson International Airport

- > 2023 2024 | Canada
- Project Manager and Lead Consultant for an assessment of operating models and locations for the new IOCC, including extensive peer airport benchmarking.

Airport Planning & Design Module for an Honours Degree at Nelson Mandela University

- > 2023 present | South Africa
- Project Manager (and lecturer) for the development and delivery of a comprehensive Airport Planning & Design module as part of a BTech Civil Engineering Honours degree at the university.

Review of Masterplan for Lekki International Airport

- > 2023 | Nigeria
- Project Manager and Lead Consultant for the review of the Airport Masterplan for the planned secondary airport for the city of Lagos.

Airport City Development Workshop for ACI Africa

- > 2023 | Senegal
- Instructor for a 2-day workshop on Airport City Development for over 30 delegates at the ACI Africa Annual Conference in Dakar, Senegal.

Lender's Technical Advisor for the Financing of the Construction of the New Libreville International Airport

- > 2022 | Gabon
- Project Manager and Lead Consultant for the technical due diligence of the project for the potential financiers.

Transaction Advisory for Murtala Muhammed International Airport PPP in Lagos

- > 2022 | Nigeria
- Consultant for Bid Support services for a private investor pursuing the PPP concession for the airport. Project scope included traffic forecasting, airport development planning and review of commercial and financial projections.



Planning, Design and Business Consulting for the new Simandou Airport

- > 2021 2023 | Guinea
- Project Director for the Master Planning and design of the first development phases of the new Simandou Airport.
 The project includes the development of a comprehensive Business Plan for the new airport.

Development Planning for Cape Winelands Airport

- > 2020 present | South Africa
- Project Manager and Lead Consultant for the Airport Master Planning and EIA Specialist Studies for the Cape Winelands Airport. Project scope includes airport strategy development, air traffic forecast, airport land use and master planning, airport city planning, and terminal building concept design. Supporting the executive team in Board meetings and stakeholder engagements.

Masterplan and Design Review, Traffic Forecast and Business Plan for the New Bugesera International Airport

- > 2020 2023 | Rwanda
- Consultant for the transaction advisory services in support of a private investor acquiring a stake in the airport. The scope included review of documentation and preparation of a new air traffic forecast and business plan.

Operational Readiness for Sir Seretse Khama International Airport

- > 2019 | Botswana
- Project Director for a project involving the design of parking positions for A350, B777 and B787, an airfield Compatibility Study and Operational Readiness Programme for the introduction of a new route.

Orapa Airport Risk Assessment Study – Mine & Airport Operations

- > 2019 | Botswana
- Project Director for the Risk Assessment Study to identify operational hazards to the airport operations imposed by the proposed mining projects.

Tender Support for Cape Town Internal Airport Realigned Runway 18-36

- > 2019 | South Africa
- Project Director for the tender design as part of a competitive design and construct bid for the New Realigned Runway at Cape Town International Airport.

Tender Support for OR Tambo International Airport New Remote Apron Stands

- > 2019 | South Africa
- Project Director for the tender design as part of a competitive design and construct bid for a new remote aircraft apron at Oliver Tambo International Airport.

Airport City Plan for Zambia Airports Corporation

- > 2018 2019 | Zambia
- Project Manager and Consultant for the development of an Airport City Plan and Financial Feasibility Study for Kenneth Kaunda International Airport in Lusaka, Zambia.

Tender Design for Western Sydney Airport

- > 2018 2019 | Australia
- Aviation Lead for the tender design for the first civil works construction package of the new Western Sydney Airport.

Masterplan for Madrid Barajas International Airport

- > 2018 | Spain
- Airport Planning Consultant responsible for the planning of all utilities as part of the overall airport masterplan.

Commercial Feasibility Study for the Upington Aviation Park

- > 2017 2018 | South Africa
- Project Manager and Strategy Consultant for a study into the feasibility of establishing an Aviation Park at Upington Airport. The project includes the development of a Business Plan and Marketing Strategy for Airports Company South Africa.

Upgrade of Infrastructure at Kamembe International Airport

- > 2017 2020 | Rwanda
- Project Director for the upgrade of airside infrastructure and the implementation of airfield ground lighting and several safety and security systems at Kamembe International Airport.

Update of Air Traffic Forecast for Airports of Mauritius

- > 2017 | Mauritius
- Consultant for the review and update of the long-term air traffic forecast for Airports of Mauritius, including extensive stakeholder engagements.



Due Diligence of Airport Ground Handling Firms

- > 2017 | West Africa
- Consultant on the due diligence for possible acquisition of several airport ground handling firms in West Africa for a large global transport and logistics investor.

Business Development Strategy for Airports Company South Africa

- > 2016 2017 | South Africa
- Project Manager and Strategy Consultant for the development of the new strategy for ACSA's Business Development division.

Public-Private Partnership Advisory for the Kenya Airports Sector

- > 2016 | Kenya
- Strategy Consultant for the development of an Airport PPP Strategy for the National Treasury under the World Bank Infrastructure Finance & Public Private Partnerships Project.

Remote Aircraft Stand Simulations at OR Tambo International Airport

- > 2016 | South Africa
- Project Director for an airside simulation study, quantifying and evaluating the impact of operating new Remote Aircraft Stands located in the Midfield of OR Tambo International Airport.

Rehabilitation of Runway 04-22 at Roberts International Airport, Monrovia

> 2015 – 2019 | Liberia

Project Director for the Contract Administration and Construction Supervision of the rehabilitation of the runway and associated infrastructure at Roberts International Airport in Monrovia, Liberia.

New Mexico City International Airport

- > 2015 2019 | Mexico
- Special Airport Systems Consultant responsible for the detailed design and specification of passenger boarding bridges for over 95 aircraft contact stands at the new Passenger Terminal Building.

Commercial Feasibility Study for the Midfield Cargo Area at OR Tambo International Airport

- > 2015 | South Africa
- Project Manager for a study to determine the feasibility of the development of a new Midfield Cargo Area at OR Tambo International Airport. The study includes the preparation of a financial model and comprehensive business implementation strategy for the development.

New Realigned Runway at Cape Town International Airport, Cape Town

- > 2014 2018 | South Africa
- Project Manager for the detailed design, construction supervision and commissioning of the new re-aligned second runway 18-36, associated taxiways and infrastructure.

GSE Project, OR Tambo International Airport, Johannesburg

- > 2014 2016 | South Africa
- Project Manager for the rehabilitation and upgrade of airside service roads, staging areas for Apron Ground Support Equipment and ULD storage infrastructure.

Taoyuan International Airport Terminal 3, Taipei

- > 2014 2018 | Taiwan
- Special Airport Systems Consultant responsible for drafting the terms of reference for procurement of a project design consultant and subsequent design reviews

Rehabilitation of Kilimanjaro International Airport

- > 2013 2019 | Tanzania
- Project Manager for the rehabilitation and expansion of Kilimanjaro International Airport in line with the airport master plan. The works include construction of a new taxiway, expansion of the aircraft parking apron and refurbishment of the terminal building.



Previous employers

RSV ENCO Consulting, Johannesburg, South Africa:

Boikarabelo Coal Mine, Waterberg, Limpopo

> 2013 | South Africa

Project Engineer for the development of a large open-cast coal mine for Resource Generation. Responsible for design of utilities and the Mine Infrastructure Area including all workshops, wash bays, offices and support buildings.

Liquid Gold Project, West Rand, Gauteng

> 2013 | South Africa

Project Engineer for the development and implementation of sustainable, long-term business solutions for water management at the South Deep and KDC mines for Gold Fields International and Sibanye Gold. Responsible for project planning and work package management, engineering design, stakeholder workshops and client presentations.

$\underline{\text{Deerns Consulting Engineers, Rijswijk, The Netherlands:}}\\$

Kuwait International Airport

> 2011 - 2012 | Kuwait

Airport Systems Engineer for a new high-end Terminal Building, designed by signature architects Foster + partners, and thirty-seven aircraft stands equipped with state-of-the-art apron services. Responsible for mechanical engineering design, specification and coordination of aircraft pre-conditioned air, passenger boarding bridges and wet utilities systems.

Viracopos International Airport, Campinas

> 2012 | Brazil

Project Engineer for the airport privatization and expansion project. Work Package Manager responsible for the design and specification of apron systems (including preconditioned air, ground power, passenger boarding bridges and wet utilities systems) for thirty-two new aircraft stands. Involved with project planning and management, design coordination with airport operator, local stakeholders, international design team, consortium contractors and equipment suppliers.

Schiphol Airport Amsterdam

> 2010 - 2012 | The Netherlands

Project Engineer for various building services design projects, sustainable building concepts, feasibility and energy studies.

Abu Dhabi International Airport

> 2011 - 2012 | UAE

Project Engineer for the Midfield Terminal Complex airport expansion, including a new Terminal Building design by signature architect KPF. Responsible for planning, design and coordination of site utilities for the Airside Support Zone and systems design of the aircraft Sanitary Station.

Abu Dhabi International Airport

> 2010 - 2012 | UAE

Design Engineer for the South Airfield Project, comprising of the refurbishment and upgrade of runway, taxiways and airside facilities. Responsible for design and specification of site utilities and fire fighting systems.

Zagreb International Airport

> 2010 | Croatia

Technical Consultant for the technical review of existing site utilities, terminal building facilities and the cost estimations for expansion plans.



Media and publications

Speaker and Moderator at AviaDev Africa

> June 2024 | Windhoek, Namibia

Invited speaker and moderator at the conference, presented the keynote on Airport Real Estate, and moderated panel sessions on airport investment and route development.

Guest Lecturer: Project Finance

> June 2023 | Johannesburg, South Africa Invited guest lecturer at the Capital Budgeting module of the Master of Management in Finance & Investment degree course at Wits Business School. Presented on recent developments in Project Finance in the airport industry.

Speaker and Moderator at AviaDev Africa

> June 2023 | Nairobi Kenya

Invited speaker and moderator at the conference, presented the keynote on Airport Real Estate development and panellist on the topic of the air cargo ecosystem.

Speaker: Unlocking new routes in Africa with e-flight

> June 2022 | Cape Town, South Africa

Invited speaker for the Inspiration Session at the AviaDev Africa conference. Presented a case study into opportunities for enhanced connectivity in Africa offered by electric aviation.

Moderator: Diversifying African airport revenues to build resilience

> June 2022 | Cape Town, South Africa

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the opportunities for diversifying airport revenues and building resilience.

Speaker & Panellist: Covid-19, Recovery and the Future of the African Aviation Industry

> June 2020 | Online

Speaker and panellist at the Webinar: Covid-19, Recovery and the Future of the African Aviation Industry organised by NACO & InterVISTAS.

Speaker & Panellist: Diversifying Airport Revenues: The African Airport Viewpoint

> April 2020 | Online

Invited speaker and panellist at the AviaDev Africa Webinar: How African airports can diversify income to include non-aeronautical revenues.

Speaker & Panellist: Smart Airports of the Future

> October 2019 | Accra, Ghana

Invited speaker and panel member at the ACI Africa Annual General Assembly & Regional Conference and Exhibition. Presented a practical framework for the implementation of smart solutions at airports, making use of developing trends in the Internet of Things (IoT) and Artificial Intelligence (AI).

Speaker: Global Airport Development Trends

> October 2018 | Beijing, China

Invited speaker at the 1st Air Silk Road Summit presenting major trends in global airport development.

Moderator: African Airport Infrastructure Developments and their financing

> June 2018 | Cape Town, South Africa

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the challenges in developing and financing airport infrastructure on the African continent.

Guest Lecturer: Project Finance

> June 2018 | Johannesburg, South Africa

Invited guest lecturer at the Capital Budgeting module of the Master of Management in Finance & Investment degree course at Wits Business School. Presented on the practical applications of Project Finance in the airport industry.

Speaker: The Future Development of Africa's Airports

> June 2018 | Online

Invited speaker at the AviaDev Insight Podcast discussing opportunities and creative solutions to developing airport capacity on the African continent.

Moderator & Speaker: Airport City Development: From Vision to Implementation

> February 2018 | Addis Ababa, Ethiopia

Invited speaker at the 6th Annual Africa Airport Expansion Summit presenting a framework for the development airport cities. Moderator for a panel discussion on the use of technology in Airport Facilitation.

Speaker: Using Simulations in Airport Master Planning

> November 2017 | Midrand, South Africa

Invited speaker at the Future Airports Master Planning Conference presenting on the possibilities and benefits of the use of simulation modelling in airport master planning.



Marcel Langeslag

Moderator: Development of Airport Infrastructure in Africa

> October 2017 | Kigali, Rwanda

Invited moderator of a panel with several airport operators and investors at the AviaDev Africa conference to discuss the challenges in developing airport infrastructure on the African continent and different financing models.

Speaker: Nigerian Airport PPPs: An Investor's View

> June 2017 | Abuja, Nigeria

Invited speaker at the Airport Business Summit and Expo outlining the potential future privatisation of four major airports in Nigeria.

Panellist: Putting Africa's aviation industry on the map

> June 2017 | Johannesburg, South Africa

Invited panellist at the Aviation Festival discussing trends, strategies and leadership for the development of the aviation industry on the African continent.

Speaker: Airport Special Systems for a Changing World

> February 2017 | Kigali, Rwanda

Invited speaker at the 5th Annual Africa Airport Expansion Summit presenting the opportunities for improved airport operations presented by developments in Airport Special Systems.

Speaker: Financing Airport Developments in Africa

> February 2016 | Accra, Ghana

Invited speaker at the 4th Annual Africa Airport Expansion Summit presenting options and trends in financing the development of airport infrastructure on the African continent.

