



Operationalisation of the Single African Air Transport Market (SAATM) – Support to the African Civil Aviation Commission (AFCAC)



EXPERT – VLADIMIR COCA

DIRECTOR – Air Navigation, Airspace Design and Airport Operations, ALG – Global Infrastructure Advisors

CURRICULUM VITAE

Vladimir Coca is an aeronautical engineer with sixteen (16) years of professional experience in the aviation and air transport economics sector. He currently works for ALG Global Infrastructure Advisors as a Director for Airport, Air Navigation Services (ANS), and Air Traffic Management (ATM) projects.

Vladimir is a Principal at ALG, where he constantly participates in airport strategy and business development projects, developing due diligence and proposals for airport privatizations, as well as traffic and revenue forecasting. Regarding the ATM strategy area, Vladimir has been involved in various studies and optimizations aimed at improving air navigation services, such as cost-benefit analysis, feasibility studies, and support for regulatory framework revisions. He has also led Airport Operation projects, such as the feasibility analysis and concept definition for ACD-M implementation at different airports (Lima, Athens, etc.), the Mexico International Airport operations optimization, and the definition of the Aerodrome Manual and Safety Management System for Nacala International Airport (Mozambique). In recent years, he has also directed airspace design projects, leading the redesign projects for the Buenos Aires TMA, and the new airspace for the new Neom airport in Saudi Arabia.

Vladimir has broad experience working in projects that involve multiple aviation stakeholders, which is evidenced by projects such as the Seamless Operation Project at Saudi Arabia, whose objective is to assess the operational performance at a set of airports and identify initiatives to improve inefficiencies. The project included the complete data value chain to successfully implement a dashboarding tool to monitor the performance of the airports, based on data from different stakeholders (airports, airlines and ANSPs). Additionally, Vladimir is also managing the development of a complete analysis of the operation of AICM runways through the simulation of scenarios and definition of enhancements, considering all stakeholders perspectives and input data (ATCOs, pilots, airport operators, etc.), and ensuring that the project is flexible and adaptable to changes by using agile project management methodologies. He has also supported ASECNA as well as the SatNav Joint Programme Office in the identification and market sizing of GNSS applications across ten different sectors (aviation, maritime, rail, road, drones...). Vladimir also accrues experience in Africa on airport infrastructure and operation projects in Morocco, Mozambique, and Angola.

Education

- **BSc in Aeronautical Engineering specialized in Air Navigation** from the Universitat Politècnica de Catalunya
- **MSc in Aeronautic Engineering** from Institut Supérieur de L'Aéronautique et de l'Espace (ISAE-SUPAERO)
- **MSc in in Telecommunications Engineering** from the Universitat Politècnica de Catalunya.



This project is funded by the European Union and implemented by EASA



- **Certification in project management (PMP)**

Project Activities

- Providing expertise in all topics regarding SBAS institutionalization and technology
- Identification of the main actors in the SBAS organizational ecosystem, their roles and key functions
- Multicriteria analysis of the best potential configuration for African SBAS, considering centralization model, number of entities and ownership
- Definition of the future organizational structure and governance of African SBAS
- Definition of the service provision scheme
- Analysis of the economic viability of African SBAS
- Development of the Implementation roadmap for the solution proposed
- Leading the analysis and selection of the most suitable technological development option for each SBAS subsystem
- Definition of the contents of a potential transfer of technology agreement
- Identification of the key development and operation risks for each SBAS subsystem and proposal of mitigation strategies
- Document elaboration

