

A composite image showing three different views of an air traffic control room at night. The left panel shows a controller's desk with multiple monitors displaying flight data and a large window overlooking the airport tarmac with several aircraft. The middle panel shows a controller from behind, looking at a monitor displaying a radar screen. The right panel shows two controllers from behind, looking at multiple monitors displaying various data. The overall scene is dimly lit, with the primary light sources being the computer monitors and the airport lights visible through the windows.

Air Traffic Management



IMAGINE
CREATE
ACHIEVE
a sustainable future



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02.

How we help

↓ How can I improve **safety**?

How do I ensure **compliance** with new concepts?

Where should I **invest** my limited resources?

↓ What should be my **strategy** for the future?

Where is **regulation** going?

↓ What should my **airspace design** look like?

How can I improve my **environmental footprint**?

↓ How is the **ATM systems** market going to evolve?

How can I enhance my **ATM organisation and operations**?

supporting ANSPs worldwide in their strategic and everyday challenges

↓ How should I position for **ATM data services**?

How do I prepare for **changes in traffic demand**?

Are **remote/digital towers** right for me?

↓ How do I position for **drone integration/ segregation**?

How can I protect myself from **cyber security threats**?

Is my ATM system **resilient** enough?

↓ How do I define my **needs** to ATM suppliers?

What should I do to ensure successful deployment of **new ATM capabilities**?

↓ How can I successfully manage **ATM system change**?

What should I do to improve the **quality and efficiency** of my **services**?

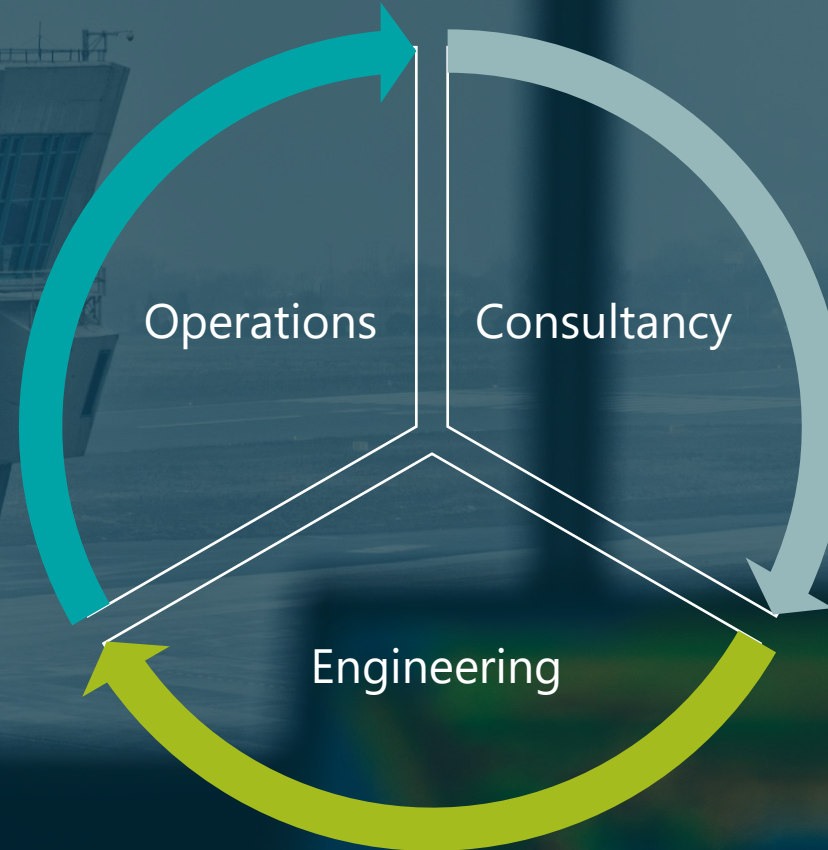
value added across the whole ATM cycle

PROGRAMME MANAGEMENT, OPERATIONS & DEVELOPMENT

Experienced support in managing and monitoring the operational performance of the ATM system with a focus on maintaining safe and efficient operations.

SYSTEM IMPLEMENTATION & TRANSITION TO OPERATIONS

Experienced management support and informed technical assistance for integration, validation and deployment of ATM system change.



LONG-TERM DECISION MAKING, STRATEGY AND R&D

Independent advice on future ATM transformation and the latest technology and concepts, from business planning, masterplans and CBAs to CONOPS definition and regulatory approach.

OPERATIONAL & TECHNICAL SYSTEM DEFINITION & DESIGN

Trusted technical expertise in deriving operational, functional, safety and performance requirements for ATM system development and procurement.

delivering a comprehensive range of services

LONG-TERM DECISION MAKING, STRATEGY, AND R&D

- Market assessment & Business planning
- CNS/ATM Masterplans
- CONOPS definition & evaluation
- Cost-Benefit Analysis
- Safety / Operational assessment
- Environmental impact assessments

ATM OPERATIONAL & TECHNICAL SYSTEM DEFINITION & DESIGN

- Consolidation of needs for ATM system change
- Airspace, procedure & System design
- Human factors methodology for change management
- Support to standardization
- Procurement support
- Definition of system requirements
- Functional and technical architecture definition

ATM SYSTEM IMPLEMENTATION & TRANSITION TO OPERATIONS

- System integration, validation & Acceptance
- Safety, Security & Conformity Assessment
- Interoperability studies
- Support to certification
- Training & Capacity building
- Support to deployment

PROGRAMME MANAGEMENT, OPERATIONS & DEVELOPMENT

- Audit & Compliance
- Competence management
- Governance, organisational change management
- Transition plans
- Operational performance monitoring
- Safety & Security management

03.

↓

Long-term Decisions, Strategy and R&D



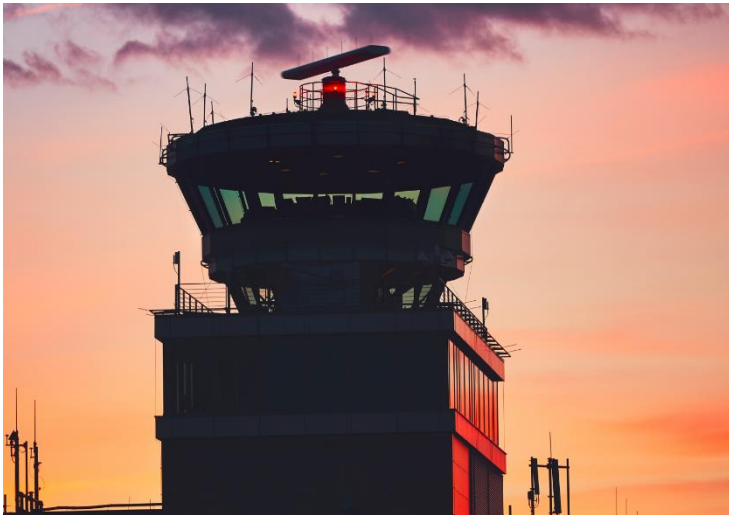
economic viability,
efficiency, safety
& security

long-term decisions, strategy and R&D

Independent, evidence-based advice which helps ANSPs make long-term decisions. Working closely with you to implement solutions considering the specific social, technical and environmental contexts.

- Business plan reviews and business planning
- Market assessment
- CNS/ATM Masterplans
- CONOPS definition & evaluation
- Cost Benefit Analysis
- Safety / Operational assessment
- Environmental impact assessment

operational concepts definition, evaluation & optimisation



– France –

Assisting with operational concept development and validation of new ATS solutions (A-SMGCS, ATC tools, CDO, Free-Route) on SESAR R&D projects and very large-scale demonstrations

DGAC/DSNA



– France –

-Advising on ACAS compatibility with Airbus Fello'Fly Flight

AIRBUS



– Europe –

Planning for innovation and change in the ATM sector.
[Read more](#)

ESSP

strategic consultancy & ATM/CNS master planning



– Cape Verde –

Developing a plan for airspace, ATM/CNS infrastructure, operational change, in anticipation of future traffic levels and emerging regulatory requirements

**EMPRESA NACIONAL DE AEROPORTOS E
SEGURANÇA AÉREA (ASA)**



– Belgium –

strategic consultancy to the CEO and directors committee to support the definition of the ATM renewal strategy

SKEYES



– Europe –

*SINE Framework Contract -
Technical, legal and economic support with SES policy*

EUROPEAN COMMISSION/ DG MOVE



04.

ATM System Definition & Design



operational &
technical
ATM system
development

ATM system definition and design

Providing expertise and know-how in defining the desired concept of operations and ATM system architecture, deriving operational, functional, safety and performance requirements for the ATM system development and/or procurement process.

- Consolidation of needs for ATM system change
- Human factors methodology for change management
- Airspace, procedure and system design
- Support to standardization
- Definition of system requirements
- Procurement support
- Functional and technical architecture definition

airspace & operations redesign



– Africa –

Technical and financial feasibility study of unified upper airspace in Eastern and Southern Africa

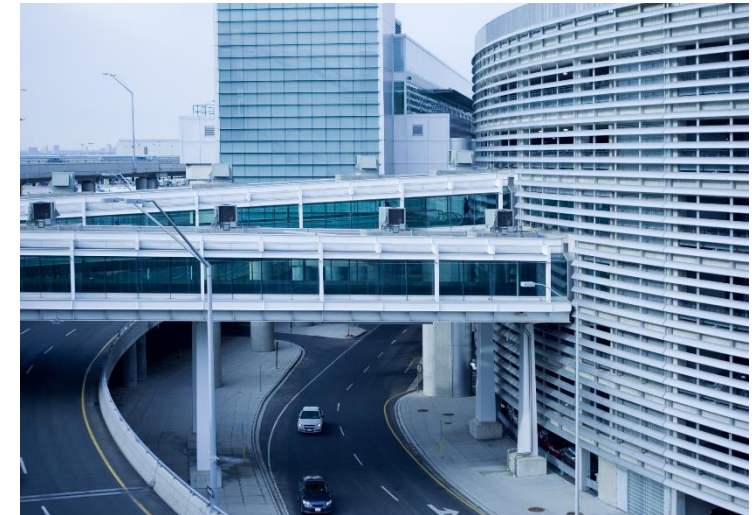
COMESA



– France –

Conventional navigation, satellite navigation (GNSS) and PBN implementation support (e.g., new 21 approach system implementation in Nantes, PBN to ILS transition in Paris CDG, etc.)

DSNA



– Canada –

Identifying opportunities to alter airspace, reduce community noise exposure and improve efficiency in Toronto Airspace

NAVCANADA

consolidation of operational & technical requirements & support to procurement



– France –

Consolidation of operational user requirements for SYSAT (new approach system for air traffic control towers); 4-Flight (new en-route ATM system); EEE (Electronic Environment with ERATO), ATFCM & CDM projects

DGAC/DSNA



– Norway –

Safety and Human Factors assurance in support of Avinor procurement of Remote Towers at 15 airports

AVINOR



– Belgium –

Support to the procurement strategy, roadmap and requirements definition for the implementation of remote Digital Towers, at six airports, including Charleroi, Liège and Brussels

SKEYES

safety assurance and assessment



– Hong Kong –

Technical assistance in the fields of system engineering and safety for ANS equipment upgrade and procurement for Hong Kong 3RS project

CIVIL AVIATION DEPARTMENT (CAD)



– Europe –

Development of generic safety assessment for helicopter Point in Space (PinS) operations and Low Level Route (LLR)

EUROCONTROL



– USA –

Development of safety case of the Aireon service (Space based ADS-B)

AVISUR

05.

ATM system Implementation & Transition to Operations



ATM system implementation & transition to operations

ATM system change

Providing experienced management support and informed technical assistance for integration, validation and deployment of an ATM system change. Ensuring a seamless transition into operations – from as-is to new – considering the human, safety and regulatory case.

- System integration, validation and acceptance
- Safety, security and conformity assessment
- Interoperability studies
- Support to certification
- Training and capacity building
- Support to deployment

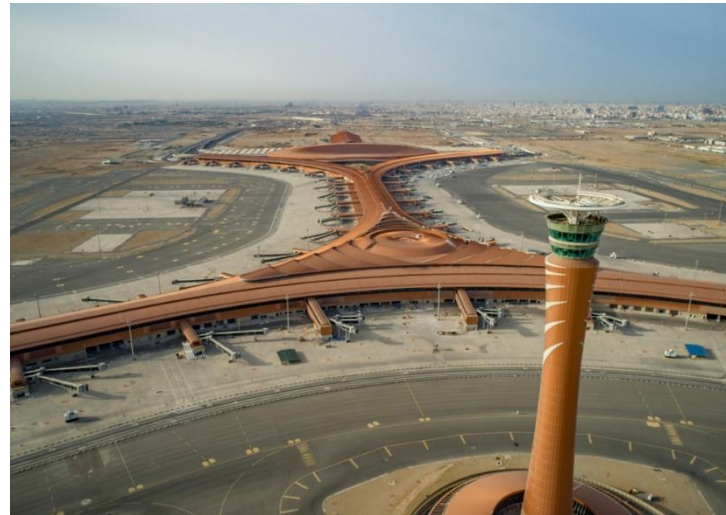
atm system engineering & technical support



– Europe –

Support to definition, testing and implementation of COFLIGHT Cloud Services

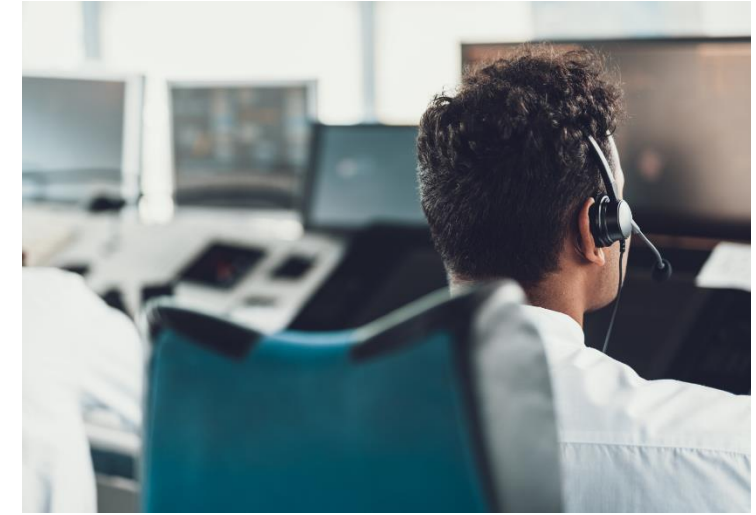
SKYGUIDE/DSNA



– Saudi Arabia –

ATM/CNS system integration for a new control tower

KING ABDULAZIZ INTERNATIONAL AIRPORT



– France –

4-FLIGHT - System consulting and engineering for five en-route control centres. Delivering a brand-new system to improve the resilience and performance of air traffic management in France. [Read more](#)

DSNA

06.

Programme management, Operations & Development



managing &
monitoring the
**operational
performance**

programme management, operations & development

Providing experienced support in managing and monitoring the operational performance of the ATM system over the whole life cycle with a focus on maintaining safe and efficient operations.

- Audit and compliance
- Competence management
- Governance, organisational change management
- Operational performance management, improvement and monitoring
- Safety and security management
- Transition plans

change management & transformation



– Europe –

Development of guidelines on the implementation of U-space and its impact on military missions and operations

EUROPEAN DEFENSE AGENCY



– Belgium –

End-to-end consultancy and engineering services to accompany the ANSP's strategic transformation (remote digital towers, modernised surveillance architecture and ATC system)

SKEYES



– Europe –

Definition and support to the implementation of a new operational concept between an ADSP and a customer (Virtual Center concept)

DSNA/Skyguide

safety, security & business continuity management



– Saudi Arabia –

Project management consultancy for the implementation of the Saudi Future Airspace Concept; safety and business continuity activities and crisis management advisory

SAUDI AIR NAVIGATION SERVICES (SANS)



– Europe –

Major study on cybersecurity of the future SWIM-enabled European ATM system

SESAR JOINT UNDERTAKING (SJU)



– United Kingdom –

Safety framework addressing the full aviation system using complex systems theory and bowtie analysis, centred on drones and future urban/regional air mobility

FUTURE FLIGHT CHALLENGE & UK RESEARCH AND INNOVATION (UKRI)



Communications | Aviation

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