



Airports



IMAGINE
CREATE
ACHIEVE

a sustainable future



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02.

How we help



A leader in optimising airport performance



BRINGING PROJECTS TO LIFE AT EVERY STAGE

From business strategy, to performance, through to planning, designing, operating and maintaining sustainable infrastructure.



DEMONSTRATED EXPERTISE

50 years' experience delivering airport projects across the globe.



MORE THAN AIRPORT EXPERTS

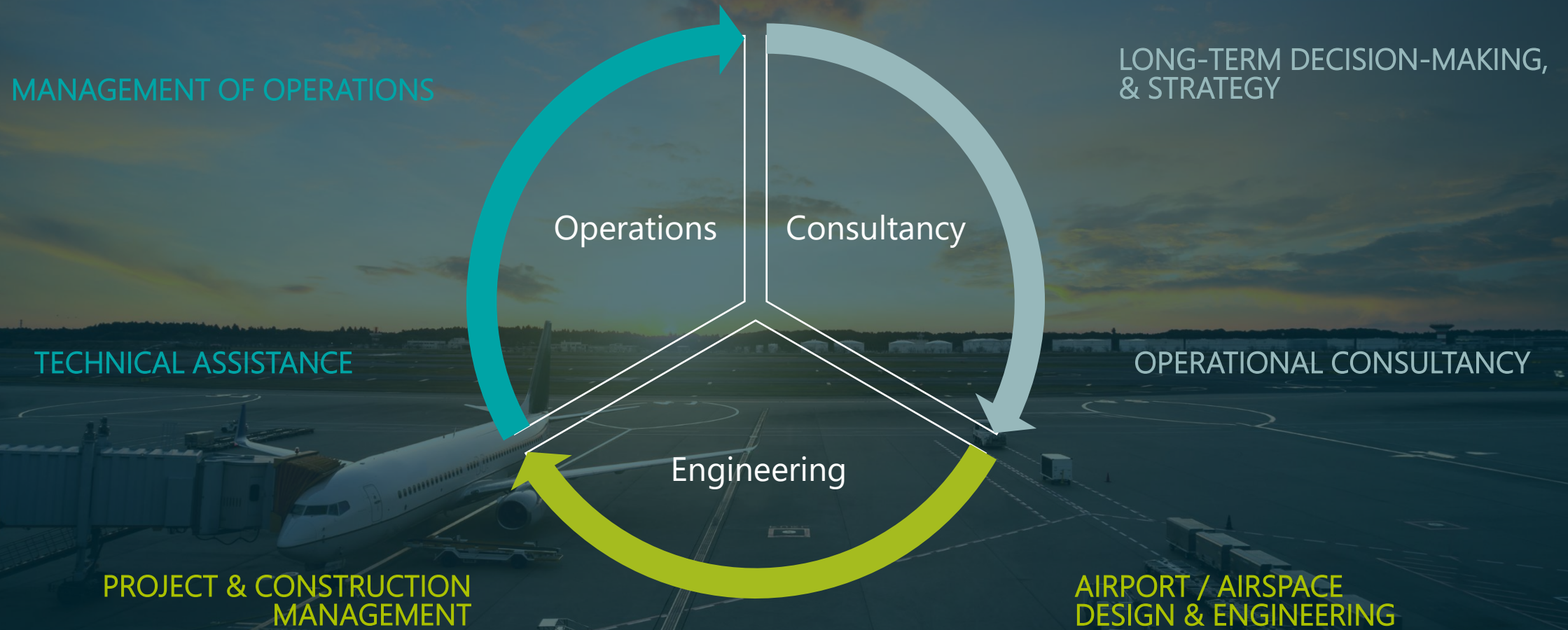
As recognised experts in Air Traffic Management, clients trust that the solutions we provide consider the entire airport operational environment, from ground to air.



UNIQUE UNDERSTANDING OF THE AIRPORT ENVIRONMENT

Award-winning consultants and engineers, also operating airports for more than 30 years.

supporting airports from concept to operation



20 airports, decades of management expertise

our AIRPORT NETWORK

20 AIRPORTS
4 CONTINENTS
8 COUNTRIES

KEY FIGURES 2021

11.6 million PASSENGERS
160,000 tonnes OF FREIGHT
1,400 EMPLOYEES

BRAZIL*

JACAREPAGUÁ
CAMPO DE MARTE

FRENCH POLYNESIA

TAHITI FAA'A
BORA BORA
RAIATEA
RANGIROA

FRANCE

PAU
BERGERAC
BREST
QUIMPER

IVORY COAST

ABIDJAN

CONGO

BRAZZAVILLE
POINTE NOIRE
OLLOMBO

BELGIUM

ANTWERP
OSTEND

CYPRUS

LARNAKA
PAFOS

TANZANIA*

ZANZIBAR
AAKIA
PEMBA

* Technical Service Agreement

delivering end to end services

LONG-TERM DECISION- MAKING & STRATEGY

- Strategic, economic and business planning
- Change management
- Feasibility and resilience studies
- Sustainability management planning

OPERATIONAL CONSULTANCY

- Airport master planning
- Environmental and noise impact studies
- Operational concepts & requirements definition and evaluation
- IT Systems & digitalisation support
- Impact assessment on airport safety
- Operational Readiness and Airport Transfer (ORAT)

AIRPORT DESIGN & ENGINEERING

- Project and programme management
- Airport infrastructure design & engineering
- Equipment & system engineering
- Work supervision

OPERATIONS MANAGEMENT & TECHNICAL ASSISTANCE

- Operational excellence and asset management
- CAPEX and OPEX optimisation
- Airport infrastructure development
- Strategy & route development

trusted partner to many of the world's leading & emerging airports

Supporting airports with evaluating, planning and implementing strategic and operational initiatives to boost results and build resilience

**SUSTAINABLE
FUTURES**

Helping clients run more sustainable and efficient operations to address the impact of climate change and serve communities better

**OPTIMISING
PERFORMANCE**

**SHAPING
FUTURE
TRANSPORT**

Using simulation modelling, BIM and Digital Twins to inform decision making and deliver operational improvements. Backed up by our internationally recognised cybersecurity expertise

**HARNESSING
THE POWER
OF YOUR
DATA**

Innovating with industry and academia to develop new transport concepts and technology that will shape future 'integrated' air travel and the seamless journey passengers expect



03.

Sustainable futures

acting on United Nations SDGs

CLIMATE

**INDUSTRY,
INFRASTRUCTURE
& INNOVATION**

**CITIES &
COMMUNITIES**

acting on United Nations SDGs

13 CLIMATE ACTION



Airport design, plan & build

Airport master planning for sustainability

Energy-efficient buildings design

Hydrogen energy storage solutions

Low-carbon construction materials, equipment and recycling



Reducing airside emissions

ATM optimisation for ground, terminal, approach & en-route

Airspace sustainability modelling

Electric vehicle charging, GPUs and PCA



Landside sustainability

Passenger flow modelling and monitoring

Efficient HVAC and lighting systems

Smart Grid technology and renewable energy planning

“take urgent action
to combat
climate change and
its impacts”

acting on United Nations SDGs

↓ **Sustainability future-proofing**

Climate resilience planning
Sustainability policy, regulation and investment analysis
Electrical charging planning and infrastructure

↓ **Data-driven optimisation**

Airport Digital Twin data management
BIM-enabled design
Cyber-secure aviation

↓ **Sustainability roadmaps**

Airport "beyond CO2" sustainability management
Assessments for ACA, ISO14001, ISO50001 and UN SDGs

"build resilient
infrastructure,
promote inclusive
and sustainable
industrialisation and
foster innovation"

acting on United Nations SDGs

11 SUSTAINABLE CITIES
AND COMMUNITIES



- ↓ **Air quality and noise**
 - Noise-abatement procedures
 - Acoustic impact studies
 - Air quality monitoring and solutions
- ↓ **Circular economy**
 - Nature-based land carbon sequestration
 - Ecosystem dimension analysis
 - Modular on-site waste treatment
 - Water management & reuse
- ↓ **Smart transportation**
 - Air-rail-road integration solutions
 - Multimodal transport data management
 - Autonomous passenger shuttles
 - UAM integration

"make cities and
human settlements
inclusive, safe,
resilient and
sustainable"

04.

Consultancy & advisory

long-term decision making & strategy

tangible
improvements to
**performance,
sustainability &
resilience**



Whatever the challenge, our experts develop effective strategies supported by regulatory, technical and operational know-how.

- Strategy and business planning
- Investment planning and financing
- Economic modelling and market analysis
- Feasibility and resilience studies
- Capacity assessments and traffic forecasting
- Security strategy and governance roadmaps
- Sustainability management planning

long-term decision making & strategy



– UK –

Advisor since 2016, reducing the impact of aviation noise on local communities

[Read more](#)

GATWICK AIRPORT



– France –

Airport development strategy to 2030

CLERMONT-FERRAND AUVERGNE AIRPORT



– Hong Kong –

Advisory services looking at options to modify the night flight control regime whilst maintaining airport growth

AIRPORT AUTHORITY OF HONG KONG

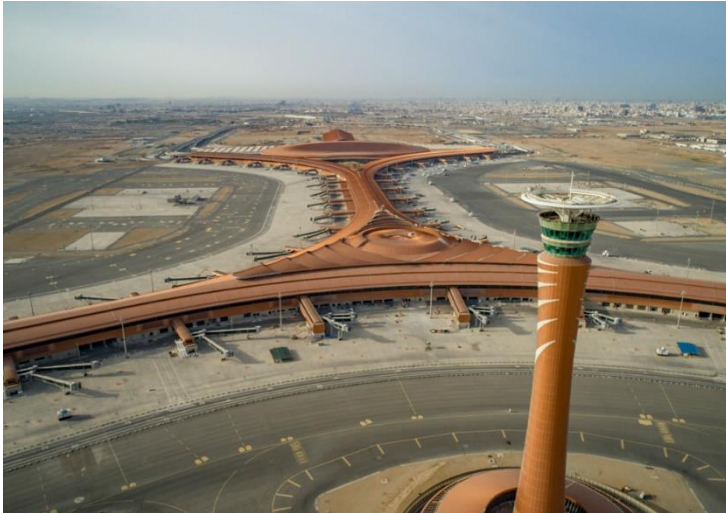
hands-on support
to improve
**operational
efficiency**

operational consultancy

We have the unique ability to both deliver airport engineering projects and manage them through their lifecycle. By working with you over the long term, we help you to ensure that your assets are operationally, financially and environmentally efficient. You benefit from the latest, relevant technological innovations as soon as they emerge.

- Operational concepts definition & evaluation
- SOPs
- Business continuity
- Safety & security
- Wildlife management
- IT systems & digitalisation
- Service Level Agreements (SLA)
- Setting KPIs
- Route development
- Commercial contracts
- Fixed operating equipment

operational consultancy



– Saudi Arabia –

Review and preparation of standard operating procedures (SOPs) and operations manuals for the new terminal

JEDDAH AIRPORT



– France –

Framework agreement to support Groupe ADP in the management of its airport IT systems projects

AÉROPORTS DE PARIS



– Singapore –

Consultancy on Airport Systems

CIVIL AVIATION AUTHORITY OF SINGAPORE



transforming
organisations to meet
business goals

development & master planning

From master planning to Operational Readiness and Airport Transfer (ORAT), our plans help clients navigate the complex relationships between demand, capacity, sustainability, resilience, regulation and passenger flow.

- Impact studies for policy, regulation and market-based incentives
- Procurement strategy and planning
- Organisational change management
- Stakeholder management
- Airport master planning
- Environmental and noise impact studies
- Sustainability management planning
- Operational Readiness and Airport Transfer (ORAT)

master planning



– France –

Master plan for the development of four airports on the island of Corsica: Ajaccio, Bastia, Calvi, Figari

COLLECTIVITÉ DE CORSE



– Chad –

Master plan (including aeronautical studies) and Feasibility Studies for a passenger terminal, ATC tower and presidential pavilion sketches; air- and land-side preliminary and detailed design; design management and coordination of the overall project

NEW DJERMAYA INTERNATIONAL AIRPORT



– Saudi Arabia –

Concept master plan, aeronautical study, concept and schematic design of a greenfield airport infrastructure, project and construction management, and ORAT services

AMAALA AIRPORT

greenfield airport



– Burkina Faso –

Technical studies and preparation of tender documents for the construction of the new airport infrastructure

**INTERNATIONAL AIRPORT OF OUAGADOUGOU –
DONSIN**



– Mauritania –

ORAT support, setting up operational procedures, planning and running tests, providing staff training and capacity building, supervision of quality and efficiency of works construction, planning and equipment installation

**NOUAKCHOTT-OUMTOUNSY INTERNATIONAL
AIRPORT**



– Zambia–

Concept design and preliminary design phases reviews (drawings and technical documents) for the masterplan and for the entire airport infrastructure; Interior design of the passenger terminal and adjacent hotel

N'DOLA AIRPORT



– Panama –

Technical assistance to Operational Readiness and Airport Transfer (ORAT) for the commissioning of new T2

TOCUMEN AIRPORT



– UAE –

ORAT support, technical and operational support during the closure of north runway, airport capacity studies and business continuity studies

DUBAI AIRPORTS



– Algeria –

Main ORAT consultant

ALGIERS AIRPORT NEW TERMINAL

05.

Design & engineering



airport & airspace design & engineering

Egis works in the most complex airport or airspace environments and develops sustainable and resilient solutions that help to imagine and build the future of aviation. With an end-to-end approach and trusted technical expertise delivered around the world, we use our consultancy skills to fuel the creative process, aligning smart vision with customer needs.

**eco-design
& planning**
on-time delivery

- Airport design
- Airspace design and implementation
- Terminal (passenger) simulation
- Flight procedure design
- Systems design and implementation
- Operating procedure design
- Energy use management and optimisation
- Safety management systems design and implementation
- Information security system design and implementation
- Sustainable development planning and implementation



– Thailand –

Infrastructure design, airfield lighting and protection areas for the Navids on U-Tapao airport

ROYAL THAI NAVY



– Bahrain –

Project management consultancy of a major cargo hub in the Middle East. Providing a flexible cargo infrastructure with phased options to accommodate future growth

[Read more](#)

BAHRAIN INTERNATIONAL AIRPORT



– Vietnam –

Technical design for Long Thanh ATC Tower - one of the tallest ATC towers in Southeast Asia

VIETNAM AIR TRAFFIC MANAGEMENT CORPORATION

airspace design



– Anguilla –

Airspace restructuring using new GNSS Instrument Approach Procedures

CLAYTON J. LLOYD INTERNATIONAL AIRPORT



– France –

SYSAT: Technical assistance with the definition and design of an advanced air traffic management system for control towers and approach control centers in Paris and mainland France

[Read more](#)

DSNA



– The Netherlands –

Sensitivity analysis on aspects of a future Schiphol TMA route design

[Read more](#)

THE DUTCH MINISTRY OF INFRASTRUCTURE AND WATER MANAGEMENT

equipment & systems



– France –

Project management of runway and airfield
ground lighting systems upgrades

LIMOGES BELLEGARDE AIRPORT



– France –

Project management (design phase) of new baggage
handling system in terminals 2, 3

NICE-COTE D'AZUR AIRPORT



– France –

EPCM and works supervision of automated passenger
screening

TOULOUSE-BLAGNAC AIRPORT



end-to-end project management

project & programme management

Egis has brought to life some of the most complex and safety critical projects in aviation. Our deep understanding of the industry and its stakeholders enables us to add value across the entire project lifecycle. We strive to build true partnerships with our clients, helping them to define their priorities and deliver long-term results and sustainable efficiencies which endure well past project completion.

- Concept design
- Procurement
- Full programme management office (PMO)
- Financial management
- Stakeholder management
- Construction management
- Sustainability management
- Operational readiness

project & programme management



– Saudi Arabia –

Project management consultancy services for airside projects

KING KHALID INTERNATIONAL AIRPORT



– China –

Development of technical functional program, concept design and site supervision for completion and delivery center in Tianjin

AIRBUS SAS



– India –

Project management consultancy for construction of new integrated passenger terminal including city-side development works

AIRPORTS AUTHORITY OF INDIA

runway rehabilitation



– Cambodia –

Technical assistance for runway overlay

SIEM REAP, SIHANOUKVILLE AND PHNOM PENH AIRPORTS



– France –

Project management from complete design through to works supervision for the runway, stop ways, taxiways and apron. Similar aeronautical infrastructure works implemented at Toulouse-Blagnac, Limoges, Saint-Nazaire, Carcassonne and Pau airports in France.

[Read more](#)

STRASBOURG AIRPORT



– Guadeloupe –

Project management assistance to SAGPC for its structural reinforcement project for runway 12/30 and the Foxtrot ramp

SOCIÉTÉ AÉROPORTUAIRE GUADELOUPE PÔLE CARAÏBES

06.

Operation & maintenance



A close-up photograph of a hand pressing a button on a control panel, likely for an airport baggage claim carousel. The background is blurred, showing airport infrastructure.

airport management, development & engineering

A world class airport infrastructure operator with a network of 20 airports on three continents. We work with customers and partners to improve the operational, financial and environmental performance of airports, and the experience of millions of passengers.

**improving
performance** of
airports across the
world

- Operational excellence and asset management
- CAPEX and OPEX optimisation and financial monitoring
- Risk management and certification
- Human resources management
- Route development
- Non-aeronautical revenue development
- Strategy, master planning and airport capacity
- Sustainability management planning
- Airport infrastructure development, airside and landside
- Implementation of turnkey fixed operating equipment and systems

airport operations



– Belgium –

Development of freight business via the "Cargo Village" project, implementation of a strategy to develop year-round traffic, Egis Soil is carbon sequestration project and creation of a solar farm

OSTEND-BRUGES INTERNATIONAL AIRPORT



– Tahiti –

Improvement of the passenger experience on departure and arrival: extension of the duty-free area in departures and renovation of the international arrivals hall

TAHITI-FAA'A INTERNATIONAL AIRPORT



– Cyprus –

Major air- and land-side infrastructure investment, asset management, emergency exercises reinforcing airside safety and review of wildlife management plan

LARNAKA INTERNATIONAL AIRPORT

technical assistance



– Zanzibar –

10-year support contract to the Zanzibar Airports Authority in the development and management of its airports (2021-2031)

ABEID AMANI KARUME INTERNATIONAL AIRPORT
PEMBA DOMESTIC AIRPORT



– Brazil –

Support to the new concessionaire for 2023, XP Asset Management, with running the two main business airports in Brazil

JACAREPAGUÁ–ROBERTO MARINHO AIRPORT
CAMPO DE MARTE AIRPORT



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