



Aviation

Consultancy, design and engineering services for the **airport life cycle**



aertec
SOLUTIONS

aerospace & aviation

AERTEC Solutions' project references cover more than 130 airports across more than 40 countries on five continents. We are the most aeronautical of airport consultancy, design and engineering firms.

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**MORE THAN 130
INTERNATIONAL
AIRPORTS**



Let's talk aeronautics





Consultancy

- Policy and sector studies
- Air transport market studies
- Traffic forecasting
- Business advisory
- Transaction support and due diligence



Planning & design

Studies and plans

- Airport masterplanning
- Feasibility studies
- Airport planning studies
- Aeronautical safety studies
- Design of flight procedures and airspace compatibility studies
- Obstacle limitation surface studies
- Operational safety studies
- Capacity studies: airside and landside
- Aircraft flow simulations (AirTop, Simmod & AeroTURN)
- Passenger flow simulations (AirTop & CAST)
- Aircraft noise contour studies (INM)
- ICAO Certification for airports and heliports
- Airport planning application
- Construction management plans
- Airport technical audits
- Maintenance plans

Airfields

- Preliminary plans, concept and detail design
- Design of runways and associated taxiways
- Design of aprons and associated systems
- Design of visual aids: AGL, signs and marking
- Design of NavAids, radars and A-SMGCS
- Design of heliports and helipads

Control Towers

- Preliminary plans, concept and detail design
- Aeronautical assessment
- Equipment design and systems integration

Terminal Areas

- Preliminary plans, concept and detail design
- Design of passenger terminals
- Design of cargo terminals
- Design of VIP terminals: general and corporate aviation
- Design of access roads, land development and parking facilities

Other facilities

- Preliminary plans, concept and detail design
- Design of electrical systems network and electrical substations
- Design of communication centres
- Design of rescue and firefighting buildings
- Design of hangars and MRO
- Design of fuel farms and distribution systems
- Design of multi-purpose buildings: security, airlines, catering, etc.



Operational assessment

- Operational readiness and airport transfer (ORAT)
- Analysis and monitoring of service level agreements (SLA)
- Airport operational procedures and manuals
- Operational safety management systems
- Airport systems integration (incl. security)
- Commercial areas and spaces assessment
- Project management services
- Airport engineering services
- Training



ICT Solutions

- Technology consultancy
- Strategic consultancy
- Systems assurance
- Software development

