

Air Transport Infrastructure

[2D Wireframe]



A partnership between Air Technical Consulting Group, LLC and Grupo de Transporte Aéreo, established to offer Airport Infrastructure, Air Space Control and Aircraft Operation consulting services through multidisciplinary professionals of different skills and experiences based on quality, innovation and environmental sustainability.

| Model | Code | Category | Length | Wingspan | Height | Engines | Capacity | |
|-----------|------|----------|--------|----------|--------|---------|----------|-----|
| 767-200 | D | IV | 48.51 | 47.57 | 10.87 | 1 | 4.09 | 143 |
| 767-200ER | D | IV | 48.51 | 47.57 | 10.90 | 1 | 4.09 | 179 |
| 767-300 | D | IV | 54.94 | 47.57 | 10.90 | 2 | 4.14 | 159 |

Aircraft Technical Consulting Group, LLC

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Mission and Objectives

Aircraft Technical Consulting Group - Air Transport Infrastructure, is a partnership between Aircraft Technical Consulting Group, LLC and Grupo de Transporte Aéreo (GTA), with the aim to provide world class consulting services to Airports Administrators and Operators, Government Agencies and any other organization related to airports management, air space control and general aircraft operation.

Since 1991, the GTA has specialized in projects of research, infrastructure design, airport and heliports planning & operation, operational feasibility of aircraft and other activities providing training, knowledge transfer, technical assistance and advice in areas related to air transport infrastructure, developed in more than 350 projects and activities in 14 countries, within the context of operational safety in compliance with international regulations.

A photograph of an airport control tower. The tower is a multi-story cylindrical structure with a glass-enclosed top section. It is situated on a dark blue building. The sky is clear and blue. A blue banner with white text is overlaid at the bottom of the image.

Who We Are —



Aircraft Technical Consulting Group was founded by an aeronautical engineer formed in a recognized international airline, with the mission to provide world class aircraft maintenance consulting services.

Composed of a team of highly qualified and experienced aviation professionals, with extensive knowledge in all fields of aircraft maintenance and other services, our goal is to share our expertise with air transport industry organizations to collaborate in the development of the aeronautical activity.

We are constantly motivated to help you protect your assets, ensuring that your needs are always being successfully and correctly managed and satisfied.

Eng. Gabriel Spena – Managing Director



Grupo de Transporte Aereo is a group of research, development and technological knowledge application whose objective is to provide technical advice to users and organizations related with the air transport industry (aircrafts, airports, air space and navigation), offering solutions to specific technical problems of the activity.

The GTA is part of the "G.T.A.-G.I.A.I." Research & Development Unit belonging to the Aeronautics Department of the State University of La Plata (U.N.L.P.)

The group is made up of professionals with different skills and expertise, giving the GTA a wide systemic vision. This core team can be expanded through contracts with subject matter experts from the University or external to it, forming an "ad hoc" multidisciplinary team according to the specific projects requirements, increasing the Group flexibility and its multiple criteria analysis ability. This allows the GTA to serve all the issues that involve the development of aeronautical and airport activity.

MSA Eng. C. Alejandro Di Bernardi – GTA Team Leader
Aeronautical Engineer (UNLP), Master in Airports Systems (UPM)

Dr. Vicente J. Nadal Mora – GIAI Team Leader
Aeronautical Engineer (UNLP), Dr. in Aerospace Infrastructures (UPM)



Sustainable Air Transport



Training, advise and knowledge transfer

Airspace and Air Navigation

Infrastructure projects for airports and heliports.



Airport management & operation
Flight operations



A complete range of solutions, oriented to satisfy the customer needs in a single point service supplier



Aircraft maintenance and operation



Infrastructure projects for airports and heliports.

Research, preliminary analysis and comprehensive airports infrastructure development projects

- Evaluation and development of Master Plans of airports and airport infrastructure networks, articulating with other means of transport
- Evaluation and development of airport-city interaction and connectivity studies, analysis of airport accesses and intermodal connection systems at airports.
- Relationship between urban and airport planning including development of intra and extra airport land use plans
- Determination of use limitations in the airport environment as a result of its operation.
- Design and comprehensive evaluation of new airport facilities and/or expansions.
- Evaluation of airport projects in progress, from their initial conception
- Evaluation and economic-financial projection of airports.
- Development and review of airport tender specifications.
- Comparative studies of airports.



Airport management and operation - Flight operations

Airport operation & planning analysis

- Determination of projection models for air traffic demand and airport capacity according to different demand models
- Determination of the status of the aerodrome situation with respect to Annex 14.
- Preparation of manuals and development of operating procedures at airports
- Aerodrome certification
- Determination and evaluation of airport service levels

Operational Security

- Development of safety reports
- Incidents and accidents investigation

Aeronautical Meteorology

- Meteorological Risk Management
- Operational Weather Forecasts

Sustainable Air Transport (SAT)

Environmental management

- Environmental studies at airports
- Acoustic impact analysis, determination of noise footprints
- Pollution studies and construction of gas dispersion maps.
- Studies on GEG emissions, mapping and verification
- Analysis of polluting contributions of GSE and GAV in airport contexts
- Studies of CO₂ contributions on national and international routes for different operating fleets



Airspace and Air

Navigation

- Flight audits
- Determination of approach and take-off procedures
- Engine out analysis in a SID
- Go-around procedures analysis
- 3D representations and visualizations of airport operations

Training, advise and knowledge transfer

- Audit and supervision of issues related to the preceding paragraphs.
- Technical advice related to new technologies applied to air transport.
- Tailored training programs development aimed at regulatory agencies, public or private airport operators, airlines and other air transport related companies

Projects and Customers —



Projects statistics

- **13** International and **17** domestic airports Master Plans
- **90 +** Technical Assistances
- **180 +** training activities developed and provided to multilateral organizations, official agencies, airports operators and airlines.
- **10** Audits and supervision assignments
- **6** technical assistance to Heliports
- **33** local and international advice assignments regarding aircraft operations
- **40** local and international Sustainable Air Transport (SAT) technical advice
- **4** ICAO project cooperation assignments

Main projects - Airports and heliports

Argentina

Ezeiza, Pcia. de Buenos Aires
Aeroparque, Ciudad de Buenos Aires
San Carlos de Bariloche, Pcia de Rio Negro
Catamarca, Pcia. de Catamarca
Chapelco, Pcia. de Neuquén
Comodoro Rivadavia, Pcia. de Chubut
Córdoba, Pcia. de Córdoba
Corrientes, Pcia. de Corrientes
Esquel, Pcia. de Chubut
El Palomar, Pcia. de Buenos Aires
Formosa, Pcia. de Formosa
General Pico, Pcia. de La Pampa
Iguazú, Pcia de Misiones
Jujuy, Pcia. de Jujuy
La Plata, Pcia. de Buenos Aires
La Rioja, Pcia. de La Rioja
Mendoza, Pcia de Mendoza
Mar del Plata, Pcia. de Buenos Aires
Posadas, Pcia. de Misiones -

Puerto Madryn, Pcia. de Chubut
Resistencia, Pcia. de Chaco
Río Gallegos, Pcia. de Santa Cruz
Rio Grande, Pcia. de Tierra del Fuego
Rosario, Pcia. de Santa Fe
Salta, Pcia. de Salta
San Fernando, Pcia de Buenos Aires
San Juan, Pcia. de San Juan
San Luis, Pcia. de San Luis
San Rafael, Pcia. de Mendoza
Santa Rosa, Pcia. de La Pampa
Santiago del Estero, Pcia. de Santiago del Estero
Sauce Viejo, Pcia. de Santa Fe
Tucumán, Pcia. de Tucumán
Ushuaia, Pcia. de Tierra del Fuego
Viedma, Pcia. de Río Negro

LATAM

Brasilia, Distrito Federal - Brasil
Teresina, Piauí - Brasil
Cotopaxi , Latacunga - Ecuador

Quito, Quito - Ecuador
Balmaceda, Región de Aysén - Chile
Puerto Montt, Región de los Lagos - Chile
Temuco, Región de la Araucanía - Chile
El Salvador, San Salvador - El Salvador
Lima, Lima - Perú
Iquitos, Región Loreto - Perú
Jauja, Departamento de Junín - Perú
Pichari, Pcia de la Convención - Perú
Tarapoto, San Martín - Perú
Carrasco, Montevideo, - Uruguay
Punta del Este, Laguna del Sauce, Maldonado - Uruguay

Heliports:

Htal. Berazategui Pcia. de Buenos Aires Argentina
Htal. Fiorito Pcia. de Buenos Aires Argentina
Htal. Finochietto Pcia. de Buenos Aires Argentina
Univ. Nac. de La Plata. Argentina
INAR Pcia. de Buenos Aires Argentina
Heliport in oceanic scientific platform Spain

Customers

ANAC | AVIACIÓN CIVIL ARGENTINA



Aeropuertos **Argentina 2000**

Aerolíneas Argentinas

Austral

QUIPORT

LondonSupply

JetSMART

flybondi.com



air
Aeropuerto Internacional Rosario Islas Malvinas

ORSNA ORGANISMO REGULADOR DEL SISTEMA NACIONAL DE AEROPUERTOS

JIAAC
Junta de Investigación de Accidentes de Aviación Civil

Ministerio de **Defensa**
Presidencia de la Nación

Ministerio de **Seguridad**
Presidencia de la Nación

YPF

Buenos Aires
Provincia

INFRAERO
AEROPORTOS

SECRETARIA DE AVIAÇÃO CIVIL

sogeti
Part of Capgemini

EAAI EMPRESA ADMINISTRADORA DE AEROPUERTOS INTERNACIONALES

Aeroporto de **Brasília**

IPAC
INSTITUTO PANAMERICANO DE AVIACIÓN CIVIL

ICAO • OACI • ICAO
國際民航組織

ACI
LATIN AMERICA-CARIBBEAN
AIRPORTS COUNCIL INTERNATIONAL

AUTORIDAD DE AVIACION CIVIL
AAC
EL SALVADOR

Dirección de Aeropuertos
Ministerio de Obras Públicas
Gobierno de Chile

CORPORACION AMERICA AIRPORTS

TRAZAS
INGENIERÍA

Customers

Argentina

Administración Nacional de Aviación Civil (ANAC)
Aeropuertos Argentina 2000 S.A.
Aeropuerto Internacional de Rosario – Gobierno Provincial de Santa Fe.
Aerolíneas Argentinas S.A. y Austral Líneas Aéreas. SA
Consejo de Administración del Aeropuerto de Chapelco.
Dirección de Aeronáutica de la Provincia de Buenos Aires (D.A.B.A.). Dirección de Aeronavegación Oficial de la Provincia de Buenos Aires. (D.A.O.) Dirección Provincial de Aeronavegación Oficial y Planificación Aeroportuaria, Pcia de Buenos Aires. (D.P.A.O. y P.A.)
Flybondi Líneas Aéreas S.A.
Jet SMART S.A.
Junta de Investigación de Accidentes de Aviación Civil (JIAAC)
Ministerio de Defensa de la Nación - Ministerio de Seguridad de la Nación.
Organismo Regulador del Sistema Nacional de Aeropuertos (ORSNA)
Regional Airports S.A.
Secretaría de Obras Públicas y Comunicaciones del Ministerio de Economía de La Nación
YPF S.A.

Brasil

Inframérica Aeroportos.
Infraero
Secretaría de Aviação Civil (SAC)

Perú

Dirección General – Oficina de Presupuesto y Planificación, Ministerio de Transporte, Comunicaciones, Vivienda y Construcción del Gobierno de Perú.
Consorcio Aéreo Pichari
Consorcio Aéreo Juaja.

Uruguay

Puerta del Sur S.A.
Consorcio Aeropuertos Internacionales S. A. (CAISA)
Comisión Investigadora de Accidentes e Incidentes de Aviación (CIAIA) - Uruguay

Cuba

CIDEM (Centro de Investigaciones de Estructuras y Materiales) de la Facultad de Construcciones de la Universidad Central de Las Villas, Cuba.

Germany

Sogeti High Tech - Airbus

Chile

Dirección de Aeropuertos del Ministerio de Obras Públicas.
Amec Foster Wheeler.
AERDROMOS.IGS EIRL.
3IPE SPA – Consultora, Estudios e Investigación en Ingeniería Civil.

Ecuador

Secretaría General de la cámara de comercio de Latacunga.
Quiport S.A.

Spain

Trazas Ingeniería S. L., España

El Salvador

Autoridad de Aviación Civil (ACC)
Comisión Ejecutiva Portuaria Autónoma (CEPA) El Salvador

República Dominicana

Academia Superior de Ciencias Aeronáuticas (ASCA)
Departamento Aeronáutico

Nicaragua

Empresa Administradora de Aeropuertos Internacionales de Nicaragua.

Multilateral Organizations

Airport Council International (ACI)– Región LATAM and Caribe (LAC)
Technical Cooperation Bureau (TCB) – Organización Aviación Civil Internacional (ICAO).
Aena Internacional – Dirección General y Cooperación Internacional
Committee on Aviation Environmental Protection (CAEP) - ICAO
Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA.
Instituto Panamericano de Aviación Civil (IPAC) de la CLAC
AIG Regional Cooperation Mechanism (ARCM) for the South American region (SAM)



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