



# Air Traffic Management Services & Airports

Capability Statement



TryByte is a leading independent consultancy that focuses on bringing creative, contemporary solutions to the challenge facing the airport and traffic management industries.

Our staff have a wealth of engineering and operational experience; which is complemented with a wide range of aviation experts and associates.

TryByte specialises in the provision of airspace, air traffic management and airports - communications, navigation and surveillance - services and products to:

- Airline operators
- Air navigation service providers
- Airport owners and operators
- Military authorities and related industry organisations

*These services include; but are not limited to:*

### Air Traffic Management Services

- Airspace architecture design and evaluation
- Airspace risk management and fast time simulation modelling
- Air route design
- Procedures design, documentation and manuals
- Aeronautical Data Management Services (ADMS)
- Aeronautical Information and Briefing Services
- Risk and Safety management assessment and training
- Reduced Vertical Separation Minima (RVSM) procedures
- Traffic flow management
- Air traffic management infrastructure evaluation and planning
- GPS procedures and approach design
- Airport and airspace capacity and flow modelling
- Management of stakeholder and community safety and environmental expectations
- Integration of associated airport/s infrastructure assessment, planning and procedures



## Airport Services

- Design and development of terminal airspace, approach and associated airport procedures for the integration into existing enroute airspace models
- Fast time simulation modelling of airport gate, runway and tarmac capacity and integrated procedures design
- Provision of aviation rescue and fire fighting solutions
- Safety, security and regulatory compliance audits and recommended practices
- Design and develop airport emergency response plans and simulation exercises
- Develop comprehensive Safety Management Systems
- Develop end deliver comprehensive risk management and safety management training for safety critical personnel
- Design and produce assorted aerodrome manuals and plans to satisfy regional and international regulatory requirements
- Flight testing and validation of approach and procedures design
- Provide advice and conduct surveys in regard to aerodrome obstacle clearance and design criteria
- Provide advice on Aerodrome Ground Lighting and Monitoring Systems.
- Provide project management support for all airport developments and associated Air Traffic services including tender design, development and evaluation
- Management of stakeholder and community safety and environmental expectation

## What does this mean for our clients?

- Proficiency in evaluating, designing and modelling airports, airspace classes, boundaries and air traffic flow utilising state of the art fast time simulation programs
- Innovative design solutions for airports, airspace and air routes
- Implementation of appropriate technology and procedures
- Concentration on delivering safe, environmentally appropriate, commercial and operationally efficient outcomes
- A comprehensive understanding of international aviation regulations, standards and requirements ensures Regional and international compliance and consistency
- One-stop service for the provision of integrated ATM and airport solutions



FLIGHTT	GATE	STATUS	TIME
AF 9421	345	V	08:00
PO 9034	T67	V	08:20
CX 745	125	V	08:34
TC 0633	127	V	08:40
MP 3587	348	V	08:43
OF 7123	563	V	08:50
RC 8211	124	V	08:56
BM 8421	012	V	09:05
ML 1823		V	09:14

FLIGHTT	STATUS	TIME
NM 0990		09:45
TR 897		09:48
RC 8		10:00
T		10:12
		10:15
		10:19
		10:30
		11:00
		11:26



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