

AIR TRAFFIC CONTROL MODERNISATION SOUTH AFRICA

During the apartheid era, South Africa was isolated from international trading and participating in international forums relating to the development of the global air transport sector. Consequently, over time its Air Traffic Management (ATM) infrastructure suffered in terms of technology and process innovation. Following the end of the apartheid era, **Ambidji** were engaged by South Africa's national ATM service provider, the Air Traffic and Navigation Services Company Ltd (ATNS), to undertake a number of consultancies to assist it to bring its national ATM system up to international standards.



Port Elizabeth ATC

PROJECTS

Ambidji has played a key role in the modernisation of South Africa's Air Traffic Management (ATM) infrastructure. The firm's most significant assignments include:



Durban Radar

- ❖ Johannesburg Air Traffic Control Centre Upgrade Program;
- ❖ Durban and Port Elizabeth Air Traffic Control Centre Upgrade Program;
- ❖ Durban and Port Elizabeth Radar Sensor Upgrade Program;
- ❖ ATM Engineering and Technical Support Upgrade Program;
- ❖ ATC Control Tower Simulator Project.

SERVICES PROVIDED by **AMBIDJI**

Ambidji provided specialist engineering and air traffic services advice including:

- ❖ Specification of all operational and engineering requirements for ATC facilities, systems and equipment;
- ❖ Implementation of an advanced framework for the planning and procurement of ATM systems and equipment;
- ❖ New ATM and system support concepts and philosophies;
- ❖ Organisational design and restructuring;
- ❖ ATM system and safety audits;
- ❖ Project and contract management;
- ❖ Development of system acquisition strategies, tender specifications, tender evaluation models and tender evaluation reports;
- ❖ Facilitation of the preparation of the bid documents;
- ❖ Presentations and detailed negotiations with the Prime Minister's Department Economic Planning Unit and Department of Transport;
- ❖ Transition and commissioning planning; and
- ❖ System acceptance testing and engineering supervision.

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