







# Project Studies

## 1. ATC Upgrade Project completed for one of our existing clients:

Complete structured re-cabling of ATC Tower & Complex (Three locations), including full labelling and documentation. Replacement of the following systems at each location:

 Voice Communications Control System	 ATC Consoles
 Radar Display System	 MET Displays
 Voice, Data and Screen Recording & Playback System	 Master Clock System

The ATC upgrade project was completed with no effect on ATC Operations at the three locations, through robust project planning and resource management. The entire project was implemented on-time and to budget using in-house Engineering personnel delivering high customer satisfaction.

## 2. AGL Upgrade Project delivered to an existing client:

Design and technical specification, procurement, installation, commissioning and maintenance of complete ALCMS Systems at two locations.

**End result:** Satisfied client

## 3. ILS Replacement Project deployed and commissioned for one of our clients:

Procurement and installation of two complete CAT II ILS/DME Systems including management of civil works contractor. Commissioning and flight checking of both systems to ICAO CAT II standards. De-commissioning and removal of old ILS/DME Systems using in-house Engineering personnel.

**End result:** Satisfied client

# Building the future of aviation together



## Our Vision:

To be the air navigation service provider of choice.

## Our Mission:

To provide safe, efficient and cost effective air navigation and consultancy services.

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# Requirement Specifications

Our Engineering and Airfield Operations Subject Matter Experts (SMEs) are experienced in evaluating operational requirements to formulate technical requirement specifications for the required systems and equipment related to ATC, CNS, AGL and Barriers, including supporting infrastructure.

# Project Management

Our experts have extensive project management experience gained from managing and delivering a number of projects of all sizes from feasibility and options, to project definition through the design phases and Factory/Site Acceptance Testing and operational transition.

# Engineering and Airfield Operations

GANS Engineering and Airfield Operations are responsible for full Asset Management of Communications, Navigation, Surveillance, Airfield Ground Lighting and Aircraft Arresting Barrier Systems at a large number of civil and government airfields within UAE. We have full capabilities to provide the complete system life-cycle support from specifications through procurement, project management, installation, commissioning, acceptance testing, flight trials, preventive and corrective maintenance to de-commissioning.

# On-Site Activities

Installation, Commissioning, Site Acceptance Testing and Flight Checks are services all performed in co-operation with equipment manufacturers. Activities our experts perform include installation of structured cabling, networking and interfacing, electrical installations where required, and the control of civil works when required under the project.

# Maintenance

Preventive Maintenance Schedules are formulated and implemented by our SMEs in accordance with manufacturers' recommendations, best practices and local regulatory requirements. Maintenance procedures are formulated and implemented for every system and every type of scheduled maintenance. Test equipment is calibrated using accredited organisations. Skilled and trained department technical staff perform the maintenance activities. Unscheduled Corrective Maintenance is performed efficiently and effectively to return a system to full operational use using best practices.

# Bid Evaluation and Procurement

Evaluations of offers from manufacturers are undertaken by the SMEs including supplier selection. Procurement and contracting is completed in accordance with the selection criteria.

# System Upgrades

Software and hardware upgrades are implemented as and when required and mid life system upgrades are proposed and implemented at the appropriate time in the system life-cycle.

# De-Commissioning

Systems reaching their end-of-life are de -commissioned, removed and disposed of in accordance with Customer and regulatory requirements.

# Spare Parts

Our team controls inventories of spare parts required for every system, including stock level management and procurement.

# Airfield Supervision

Our Airfield Operations capabilities also cover the following:



Airfield Inspections



Airfield Sweeper Operations



Aircraft Marshalling

