

GANS

GANS is a leading provider of air navigation services to civil and government customers.

We provide services at many airports and are responsible for more than 530,000 annual air traffic movements within the UAE Flight Information Region.

GANS provides ATC services utilising a vast network of people, procedures and equipment to deliver safe and expeditious services to its customers.

A leading provider of civil and government air navigation services

Air traffic control operations & management

Aeronautical Information Services

Consultancy services

ATM Training

Aviation meteorology

ATM consultancy and project management

Airspace re-design

System & Operations Engineering

Programme and Project Management

Safety Management

QHSE Management

TRAINING CENTRE

The GANS Training Centre in Al Ain is the first training centre to gain UAE General Civil Aviation Authority certification as an ATS Training Organization. We have also achieved the status of an ICAO Regional Training Centre of Excellence for ANS Training.

Established in 2009, the Training Centre offers a broad spectrum of ATS and other aviation related courses, and has graduated more than 3000 students since opening.

As many of our trainees are non-native English speakers, we offer a variety of English language training courses which may be tailored to meet specific learning needs.

The Training Centre is a GCAA approved test provider for English language proficiency. Our experienced examiners deliver the test of English Language Proficiency for Aeronautical Communication (ELPAC), the only test endorsed by ICAO.



AERONAUTICAL INFORMATION SERVICES (AIS) & METEOROLOGY

The GANS AIS and Met Group supplies the flight planning, dispatch and charting/mapping information required to conduct flight operations inside and outside the UAE.

The service is provided in accordance with both GCAA regulations and ICAO guidelines facilitated by the implementation of area navigation (RNAV), performance-based navigation (PBN), airborne computer-based navigation systems and data link systems.

We are experienced in delivering large-scale changes and communicating with multiple aviation stakeholders.

We ensure airlines, pilots, controllers and all those involved in flight planning and navigation have access to the latest:

Aeronautical information publications

AIP supplements

Aeronautical information circulars

NOTAMS

Charts

Procedures design

ENGINEERING SERVICES

With over 200 specialist Engineers and Project Managers, GANS delivers excellent operational performance. GANS Engineering manages the entire lifecycle of ATM and CNS systems. We offer a complete solution that takes into account every element, from operational requirements to meeting local and international regulatory requirements.

Master planning

Architecture and design

System implementation

Integration, test and transition

Operation

Asset management including maintenance

AIR TRAFFIC MANAGEMENT CONSULTING

GANS is proud to offer a wealth of experience in all aspects of ATM such as project management, system and airspace design, procurement and commissioning of CNS and ATM systems, system integration and maintenance.

Global Air Navigation Services Headquarters is based in Abu Dhabi, the capital of the United Arab Emirates.

**PROVIDING SAFE,
EFFICIENT AND COST
EFFECTIVE AIR
NAVIGATION AND
CONSULTANCY SERVICES**

**AIR
NAVIGATION
SERVICES**

OUR VISION:

To be the air navigation service provider of choice.

OUR MISSION:

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

 Khalifa Business Complex
Street 54, Building 22
Mezzanine Floor
Abu Dhabi, UAE

 **Email:** corp@gans.aero
 **Tel:** +97125565233, Ext: 2502
 **Fax:** +97125565288
 **Web:** www.gans.aero


GANS
Global Air Navigation Services
www.gans.aero

GANS

Global Air Navigation Services (GANS) is based in Abu Dhabi, the capital of the United Arab Emirates.

GANS is a leading provider of professional Air Navigation Services for civil and government organisations.

GANS TRAINING CENTRE

Established in 2009, the Training Centre offers a broad spectrum of ATS and other aviation-related courses to both national and international clients.

We are the first Training Centre to gain UAE General Civil Aviation Authority (GCAA) certification as an ATS Training Organization.

The Training Centre has also achieved the status of an ICAO Regional Training Centre of Excellence for ANS training.

Our courses reflect a flexible and practical approach to training and can be tailored to suite a client's particular needs.

All training packages are kept up to date with the latest concepts and advances within the industry, and can be modified with location-specific context.

Training courses can be delivered in Al Ain at the Training Centre or at the client's premises.

ATC TRAINING

GANS Training Centre offers training in all ATC disciplines (ICAO 051, 052, 053 and 054).

ATC Tower simulation is carried out in a dedicated facility comprising one 360 degree and two 225 degree Tower simulators. ATC Radar simulation is provided on multiple dual-position radar simulators.

Part Task Trainers (PTT), used for teaching basic procedures and routines, can also be configured as simulators to train in any ATC discipline, as required.

Electronic examinations are administered by means of a secure server connected to CBT workstations.

Facilities at the Training Centre are bright and welcoming. Comfortable classrooms are equipped with interactive whiteboards, and trainees have ready access to a CBT room, prayer rooms, canteen, library, and campus nurse.



OTHER TRAINING

To complement its ATC training courses, the GANS Training Centre provides a range of other courses including Train the Trainer, Supervisor, Examiner, Unit Training Officer and OJTI courses. Appropriate refresher training is also available.



ENGLISH LANGUAGE

The English language department features highly experienced teachers who specialize in providing intensive English language training to non-native speakers. General and aviation English language courses can be tailored to meet trainees' specific learning needs.



ENGLISH LANGUAGE PROFICIENCY TESTING

The Training Centre is a GCAA approved aviation English language proficiency test provider, using Eurocontrol's ELPAC test, the only test endorsed by ICAO. Our experienced examiners are qualified to provide GCAA English language proficiency certification up to ICAO level 6 for pilots and air traffic controllers.

TRAINING COURSES

Our multinational Training Centre instructional team are highly qualified and experienced air traffic services instructors, English language experts and pseudo-pilots.

Courses on offer include:

BASIC

BASIC ATC (ICAO 051)

English Language

RATING

Aerodrome Control (ICAO 052)

Approach Control Procedural (ICAO 053)

Approach Control Surveillance (ICAO 054)

Area Control Procedural (ICAO 055)

DEVELOPMENTAL

On the Job Training Instructor

ATC Examiner

ATS Supervisor

Train the Trainer (Classroom Instructor)

Human Factors: the TEM/TRM Interface

ATS Facility Chief

ICAO ATM Investigation Techniques

CONTINUATION

Refresher

Emergency Continuation

Conversion

BUILDING THE FUTURE OF AVIATION TOGETHER

TRAINING CENTRE

OUR MISSION:

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

OUR VISION:

To be the air navigation service provider of choice.

 Khalifa Business Complex
Street 54, Building 22
Mezzanine Floor
Abu Dhabi, UAE

 **Email:** corp@gans.aero

 **Tel:** +97126149000, Ext: 2504

 **Fax:** +97125565288

 **Web:** www.gans.aero



GANS

ENGINEERING & 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.

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.

BID EVALUATION & 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.



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.

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.

SPARE PARTS

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

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.

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.

AIRFIELD SUPERVISION

Our Airfield Operations capabilities also cover the following:

Airfield Inspections

Aircraft Marshalling

Airfield Sweeper Operations

PROJECT STUDY 1

ATC Upgrade Project completed for one of our existing clients:

Complete structured re-cabling of ATC Tower & Complex (3 locations), including full labelling and documentation

Replacement of the following systems at each location:

Voice Communications Control System

Radar Display System

Voice, Data and Screen Recording & Playback System

ATC Consoles

MET Displays

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.

PROJECT STUDY 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.

PROJECT STUDY 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.

OUR VISION:

To be the air navigation service provider of choice.

OUR MISSION:

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

 Khalifa Business Complex
Street 54, Building 22
Mezzanine Floor
Abu Dhabi, UAE

 **Email:** corp@gans.aero
 **Tel:** +97125565233, Ext: 2502
 **Fax:** +97125565288
 **Web:** www.gans.aero

ENGINEERING SERVICES



GANS

Global Air Navigation Services (GANS) is a limited liability company based in Abu Dhabi, UAE.

Since its establishment in 2007, it has specialized in providing a wide range of technical services related to the field of air navigation. GANS is active in both the civil and government sector and is the only private sector air navigation services provider in the region certified by the UAE's General Civil Aviation Authority.

GANS specializes in the establishment, management and continuous improvement of aviation safety management solutions tailored to the scale and complexity of civil and government aviation organizations.

'Mission First, Safety Always' is our motto at GANS. We strongly believe that safety should be at the heart of everything that we do.

When it comes to the aviation industry, it is of the utmost importance that comprehensive safety measures are put in place to ensure that services are provided to customers and that these both achieve and maintain an Acceptable Level of Safety Performance (ALoSP). At GANS, our robust safety record proves that embedding an effective safety

management system within our business processes helps ensure that our operations are acceptably safe, efficient and comply with applicable regulatory and customer requirements.

SAFETY MANAGEMENT SYSTEM (SMS)

The standard framework for SMS implementation utilized by GANS is comprised of 4 key components, known as pillars, which comprise 12 core elements that conform to the SMS framework from ICAO Document 9859. We are totally committed to helping our clients achieve their specific business objectives and as a result we are able to integrate additional elements into a best-fit SMS framework for our clients.

GANS SMS FRAMEWORK

Safety policy & objectives

- Management commitment*
- Safety accountability and responsibilities*
- Appointment of key safety personnel*
- Coordination of emergency response planning*
- SMS documentation*

Safety risk management

- Hazard identification*
- Safety risk assessment and mitigation*

Safety assurance

- Safety performance monitoring & measurement*
- The management of change*
- Continuous improvement of the SMS*

Safety promotion

- Training and education*
- Safety communication*

MANAGEMENT SYSTEM INTEGRATION

GANS has extensive experience in the integration of Management Systems that create a robust, customer-focused and highly efficient Integrated Management System (IMS). We can assist your organization with the development of an SMS and integrate this with your other Management Systems to make these more efficient and objective oriented.

SAFETY RISK MANAGEMENT

GANS has assisted organizations establish and maintain processes which are used to identify safety hazards from data collated from various sources. We can assist you in data collation and analysis of results from existing and future Safety assessments to support the prioritization of risk management measures. GANS has also helped organizations develop and maintain cost considerate risk mitigation processes.

SAFETY ASSURANCE

We help aviation organizations establish compliance and risk-based Safety Assurance processes and procedures, which enable the prioritization of oversight activities, including audits and surveys, towards business areas of greatest interest.

PERFORMANCE MONITORING & MEASUREMENT

GANS provides clients with guidance on the establishment of effective SPIs/SPTs, to meet the requirements of various regulatory authorities and identify developing threats to your organization.

INTERNATIONAL SMS EXPERTISE

Our SMS experts specialize in assisting you with the establishment of SMS solutions which meet ICAO, regional and national safety requirements.

By making certain that the SMS solutions that we develop are robust and practical both from the top-down and the bottom-up perspectives, we ensure that your SMS represents a pragmatic and key decision-making tool for every facet of your organization.

The services that we offer:

SMS Implementation Management

Establishment of Safety Policy & Objectives

Development of Safety Reporting tools

Hazard Identification & Risk Analysis

Safety Assurance Management

SMS Performance Monitoring

Safety Records Management

Aviation Safety Training

SAFETY PROMOTION

Our SMS solutions support the promotion of Safety awareness and sharing of Safety information in your organization with the aim of developing a positive safety culture within your organization.

During the development of your Safety promotion and awareness programmes we can assist with the identification and delivery of accessible safety training for your organization.

The GANS Training Centre in Al Ain which is accredited as an ATS Training Organization provides Safety and other aviation training courses which can be tailored to meet your specific needs.

OUR MISSION:

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

OUR VISION:

To be the air navigation service provider of choice.

 Khalifa Business Complex
Street 54, Building 22
Mezzanine Floor
Abu Dhabi, UAE

 **Email:** corp@gans.aero

 **Tel:** +97125565233, Ext: 2502

 **Fax:** +97125565288

 **Web:** www.gans.aero

SAFETY MANAGEMENT



GANS

Global Air Navigation Services (GANS) is a limited liability company based in Abu Dhabi, UAE.

Since its establishment in 2007, it has specialized in providing a wide range of technical services related to the field of air navigation. GANS is active in both the civil and government sectors and is the only private sector air navigation services provider in the region certified by the UAE's General Civil Aviation Authority.

GANS is responsible for over 530,000 annual air traffic movements!

Therefore, we recognise it is of utmost importance that air traffic management systems are adequate and effective. We offer a full array of services in relation to air traffic management that will ensure airport service providers run their day to day operations in a smooth and practical manner.

AERIAL ACTIVITIES MANAGEMENT EXPERTS

The UAE plays host to many global events which will typically have some aviation component to manage.

Whether it is an airshow, fireworks display, aerobatic display, fly past, parachuting or air display, to manage all these activities GANS is at the forefront of aerial event management.

EXPERTISE IN SAFETY OVERSIGHT

GANS has the expertise to ensure the safe oversight and planning needed to ensure every event is a complete success.

Supported by accredited postholders in Safety Management and their specialist teams, GANS in collaboration with the Regulatory oversight of all UAE Government entities ensures full compliance with promulgated Civil Aviation Regulations and Advisory Publications. Safety is placed as the highest priority for all the planning, implementation and running of world class aviation events and local aviation activities.



AERIAL ACTIVITY CONSULTANCY

GANS staff is highly trained and is fully conversant with all facets of aerial event activities.

GANS has a diverse cross section of subject matter experts that provide planning oversight and on site management of the events.

DEPLOYABLE TOWER SERVICES



The ability to deploy towers remotely and on site at any event provides a professional operational working environment for our well trained staff to provide Air Traffic and Aviation Support services at events throughout the United Arab Emirates.

All the equipment is acceptable within both civil and government operations which allows interoperability with all agencies.

Technical support is provided by our own gans operatives ensuring an uninterrupted delivery of service.

GANS - SUPPORTING THE UAE!

GANS offers a complete range of aerial activity management services that includes:

Airshows

Flypasts

Parachuting

Fireworks and Laser Shows

Unmanned Aerial Systems Operations

Military Aerial Displays Aviation

Aviation Sporting Events



AERIAL ACTIVITIES MANAGEMENT EXPERTS

OUR VISION:

To be the air navigation service provider of choice.

OUR MISSION:

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

 Khalifa Business Complex
Street 54, Building 22
Mezzanine Floor
Abu Dhabi, UAE

 **Email:** corp@gans.aero

 **Tel:** +97125565233, Ext: 2502

 **Fax:** +97125565288

 **Web:** www.gans.aero

