



ATMS 

**AIRPORT INFORMATION
MANAGEMENT SYSTEM**

Navayuga Infotech

A CMMI Level 5 & ISO 9001 Company



Airport Information Management System

Introduction

When an airport integrates its information systems, everyone benefits, from airport personnel to airline employees and passengers. Automatically exchanging real-time information among systems results in more efficient airport operations. What is more, it speeds the flow of passengers, baggage, and aircraft through the airport. Managers who can access information about all airport activity have the key to smooth, productive operations. With integrated systems, they allocate resources more effectively and improve on-time performance.

Today's airport authorities are faced with non-stop passenger growth. Short waiting times, constant access to up-to-date information and smooth processes are what make an airport attractive and guarantee that rising passenger demands are met. Navayuga Infotech's Airport Information Management System (AIMS) contributes substantially to meeting these prerequisites. AIMS is currently being used by several Airports to manage information pertaining to various ongoing and day-to-day activities in the airports AIMS is suitable for large international airports as well as smaller regional and general aviation airports.

Key Features

- ✦ The AIMS application is an Enterprise Application, which covers the entire gamut of operations in any International airport from finance, logistics, business performance, infrastructure and facilities management.
- ✦ All service and maintenance activities such as Ground equipment, automobiles, baggage- and cargo-handling equipment, elevators and lights. The solution also supports all service operations for airport property management, such as departure and arrival terminals, hangars, runways, and the tower. Other services provided at an airport, such as aircraft fueling and cleaning, security, and Cargo Handling are managed within the same business solution.
- ✦ AIMS paves the way to higher productivity, and greater efficiencies and to enable quick decision-making, ensure maximum optimization of resources and minimize maintenance operation costs. The use of the application will go a long way in maximizing overall productivity at all airports.
- ✦ The system generates reports based on the information captured through authorized nodes serving as clients and presents data whenever required to the users at various clients.
- ✦ It enables the passengers to register suggestions, complaints and grievances. It also facilitates handling of lost, found and left behind luggage and status on availability of retiring rooms.
- ✦ The system allows Airline agencies to update flight information i.e., estimated arrivals and departures, which will be displayed on Closed Circuit Television (CCTV) and Flight Information Display Systems
- ✦ The system records static data comprising of Technical details of the airport, Circulars & Standing instructions, Procedures, Tourist Information, etc.
- ✦ The system generates alerts and links relevant data for the expected actions to be taken by the client user when a complaint is lodged by any other department personal or by public.
- ✦ Linkage with Automated Message Switching System (AMSS) is provided to capture dynamic information on flight movements.
- ✦ Airline operators are given a provision to login into the AIMS application where they can view and update information regarding the flight movements operated by them.
- ✦ System captures dynamic information of flight movements based on the inputs from Airline operators, AMSS and Air Traffic Control Tower.

“Navayuga’s Professional approach and commitment to quality ensured that the project was completed without any time or cost overruns.”

- Mr. Ramalingam
Executive Director (IT), Airports Authority of India

Benefits

- AIMS is essentially a software package modular in structure to primarily provide information and reports generated at various centers within the airport.
- Automatically exchanging real-time information among systems results in more efficient airport operations.
- Data exchanges between different airports, as well as the user-friendly interfaces reduce administration efforts.
- Delivers quick, accurate and extensive reports thus enabling efficient management of the airport.
- Updated information at all times through direct links with other systems.
- Multiple Users, Airport-wide coverage.

Modules

- ✦ Airport Terminal Management (ATM)
- ✦ Air Traffic Control (ATC)
- ✦ Airport Managing Director
- ✦ Stock Management/ Inventory Module
- ✦ Maintenance Management
- ✦ Emergency Management
- ✦ Security Management
- ✦ Commercial Management
- ✦ Land & Estate Management
- ✦ Ground and Flight Safety (GSF)
- ✦ Human Resource and Payroll Module
- ✦ Cargo Terminal Handling Module
- ✦ Apron Management
- ✦ Traffic Statistics & Reports
- ✦ Legal Management
- ✦ Finance, Accounts & Revenue Management
- ✦ General Information
- ✦ Administration Management



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