

The World Leader in Airport and Mass Transit Communication Systems

A division of Atlas IED



Airport and Mass Transit Installations Around the World



Heard by 1 Billion Travelers

In Hundreds of Airports Worldwide

Innovative Electronic Designs (IED) is the proven and trusted provider for unmatched system design, quality and personalized service.

34 Years of Innovation in Airport Paging and Communications Systems

For over 34 years, IED has been serving the Airport and Airline industry with highly specialized communications systems. IED solutions meet the ever-changing demands of the traveling public with innovative technology advancements.

An IED system supports an airports goal to be the best-in-class with:



Efficient daily operations



Increased passenger throughput



Improved airport experience



Traveler and employee safety



Maximized revenue and profits

To achieve these goals, IED provides targeted and highly intelligible communication systems with reliable 24/7 worry-free operation.

Historical Innovative Technology Milestones



Port Columbus Airport (CMH)
Location: Columbus, OH, USA
Milestone Year: 1982
Years of Support: 34

The first computer-controlled airport paging system

In 1982, IED created the world's first computer controlled paging system called the ACS, Announcement Control System. Since its introduction, the ACS has been the industry benchmark for performance and reliability.

This system paved the way for improved passenger experience and streamlined operations by providing precisely controlled zone based announcements and recorded messages.



Keflavik International Airport (KEF)
Location: Keflavik, Iceland
Milestone Year: 1987
Years of Support: 29

Industry first automated noise level adjustment

In 1987, IED invented the first real-time automatic ambient noise analysis system to provide automatic noise level adjustments. This problem solving feature ensures audibility and intelligibility in areas with widely changing noise levels and prevents areas from being uncomfortably loud during quiet times.

Today, IED's patented and computer controlled ambient noise analysis system ensures an airport's announcement broadcasts are set to the optimum volume level for each zone.



Kansas City International Airport (MCI)
Location: Kansas City, MO, USA
Milestone Year: 1996
Years of Support: 20

The world's first automated flight announcement and ADA-compliant visual paging system

In 1996, IED invented the first automated flight announcement system (FAS) using assembled digital messages to produce real high quality voice messages. At the same time, IED also invented synchronized visual paging using standard visual displays. All messaging was delivered in both audio and visual formats.

To this day, IED is the only manufacturer producing a fully integrated audio paging and messaging system from a single source. IED visual paging provides full compliance with the Americans with Disabilities Act and can be used to enhance silent paging where audio paging is intrusive to the environment.

Historical Innovative Technology Milestones



Denver International Airport (DEN)
Location: Denver, CO, USA
Milestone Year: 2006
Years of Support: 10

LifeLine™ 24/7 worry-free system redundancy

In 2006, IED introduced the first audio paging system that provided multiple levels of system redundancy and automatic failover called LifeLine™. This level of reliability is necessary for all airports where paging is a critical function as well as for mass notification where lives depend on communication and real-time instructions.

At many airport installations, the IED paging system serves a dual role as the life safety communications system due to its superior system testing, intelligibility, and ability to provide complete redundancy of system operation and control.



Copenhagen Airport (CPH)
Location: Copenhagen, Denmark
Milestone Year: 2014
Years of Support: 2

The world's first airport-wide user control interface

In 2014, IED created Director® which is the first GUI management and control platform capable of managing at an airport-wide level. With Director®, a single screen can provide operation, monitoring, and supervision of a complete system with the power to control and manage hundreds of sub-systems.

Director® is the ultimate control management tool for sophisticated user and mass notification applications.



Incheon International Airport (ICN)
Location: Seoul, South Korea
Milestone Year: 2015
Years of Support: 1

The first touch control paging and communication station

In 2015, IED introduced the first touchscreen paging and communication microphone station with integrated Flight and Courtesy Announcement System software capability.

This technology advancement has greatly increased user-friendliness, reducing the time required for training gate and ticket agents. It also provides a secure and fully customizable interface for expanded paging capabilities.

Introducing the Next Generation Airport Solution

With over 34 years of proven airport experience, IED introduces the world's most interoperable platform that unifies airport communications into ONE efficient solution.



GLOBALCOM[®].IP



ENTERPRISE-WIDE
AUDIO PAGING
AND MESSAGING



SMART
AUTOMATION



MASS
NOTIFICATION



SYNCHRONIZED
VISUAL PAGING



AUTOMATED FLIGHT,
GATE, AND BAGGAGE
ANNOUNCEMENTS



COURTESY PAGING
MANAGEMENT



Compatible



ENTERPRISE-WIDE AUDIO PAGING AND MESSAGING

AtlasIED manufactures audio paging systems for airports and mass transit locations ranging from small regional airports and bus transfer points to the worlds largest airport terminals and metropolitan rail systems.

Using the latest networking and IT technologies these systems provide information, instructions and safety in multiple languages for millions of people each day. From a single software platform, IED GLOBALCOM.IP supports the established audio protocols of CobraNet, Dante, Audio over IP and VoIP to reach all listeners. Features such as dynamic messaging, ambient noise analysis, and full-fidelity audio ensure that announcements and messages are audible and highly intelligibility, even in difficult or large spaces.



SMART AUTOMATION

AtlasIED provides airport-specific automated workflows for messaging and notifications. Once programmed, the system intelligently sends automated messages on time schedules based upon hour, day, month, and even year.

Our Integrated Flight Announcement System (FAS) provides templated automatic boarding and baggage claim announcements that are tailored to the specific requirements of the airline or airport management.

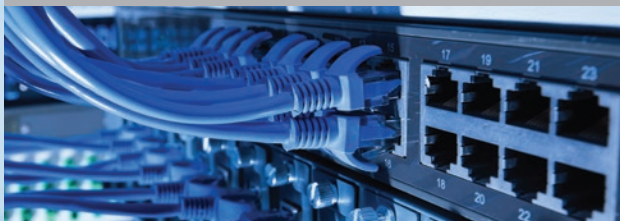
It allows your communication system to operate 24 hours, 7 days a week with little human interaction. Now, all airport visitors, travelers, and employees can be continuously informed throughout the day.



SYNCHRONIZED VISUAL PAGING

Providing not only audio paging & messaging, AtlasIED's patented visual paging technology provides synchronized visual paging using visual display devices of all types.

Visual paging serves not only hearing impaired, but delivers the best possible user experience for all during both day to day communications and critically important emergency situations. Visual paging ensures your message and directions are delivered when the environment is less than ideal for audio paging.



Aug 04, 2016						3:45 PM
Departing To	Airline	Flight	Time	Gate	Remarks	
Washington, Dulles	UNITED	UA 4708	2:48 PM	A 14	Now at 4:15 PM	
Philadelphia	American Airlines	AA 3784	2:55 PM	B 6	Now at 3:35 PM	
Chicago, O'Hare	American Airlines	AA 3298	3:05 PM	B 16	Now at 3:45 PM	
Atlanta	Delta	DL 207	3:15 PM	A 3	Departed	
Tampa/St. Petersburg	Southwest	WN1020	3:20 PM	B 15	Now at 4:15 PM	
Denver	UNITED	UA 4895	3:51 PM	A 15		
Chicago, Midway	Southwest	WN1364	4:10 PM	B 17		
Chicago, O'Hare	UNITED	UA 3471	4:50 PM	A 11	Now at 5:26 PM	
Las Vegas	Southwest	WN 790	4:55 PM	B 15		



IED invented the concept of automated flight announcements to improve flight operations, reduce the work load of the gate agents, and provide consistent, highly intelligible gate announcements.

Message sequences can be customized for each airline and multilingual messaging automatically keeps international passengers informed for greater customer satisfaction. Synchronized to Airport Operational Data Base (AODB) or Multi-User Flight Information Display System (MUFIDS) database, message sequences can run automatically, or be individually managed by the gate agent for best results.



IED's Courtesy Announcement System bridges the messaging requirements between fixed scheduled messages and automated flight announcement with full creation and management of courtesy announcements.

Whether it be locating passengers, accepting and delivering private messages, or posting to bulletin boards, IED's TCAS provides the ability to manage and deliver dynamic multilingual messages using a live/delayed voice or text-to-speech engine for both audio and visual paging.



The Best and Most Proven

Mass Notification and Emergency Platform



Today, we live and work in an unpredictable and sometimes dangerous world. Reliable, real-time communication is critical to ensure the safety of employees and the public. Emergency & Mass Notification systems deliver critical information and provide audible, intelligible, and relevant instructions.

IED's communication systems have shaped the development of Mass Notification systems in airports and public mass transit worldwide.

IED Solutions meet stringent regulatory requirements for life safety.

Our Solutions Meet These Regulatory Requirements for
Mass Notification and Life Safety



Our systems meet the the National Fire Alarm and Signaling Code called NFPA 72. NFPA 72 provides the latest safety provisions to meet fire detection, signaling, and emergency communications demands and requirements for life safety systems used for weather emergencies; terrorist events; biological, chemical, and nuclear emergencies; and other threats.



UL2572
Mass Notification System

IED systems were also designed and certified for Mass Notification Systems under UL2572. Our products are covered by this standard and intended to be used to form an emergency communication and/or mass notification system. Our solutions can communicate critical information within buildings and/or outdoor areas about emergencies, including but not limited to terrorist activities, hazardous chemical releases, severe weather, fire, and other situations that may endanger the safety of the occupants of an area or facility.



For Europe, IED has a specifically-designed system built from the ground up to meet EN54 certification. EN54-16 is a mandatory standard that specifies requirements and laboratory test for every component of fire detection and fire alarm system covering the entire European Union.

Engineering and Manufacturing Standards



IED products and services are best-in-class in capability, quality, and reliability. We deliver excellence, strive for continuous improvement, and respond vigorously to change. Our mission is to engineer, build, sell, and support it right every time.

Engineering Excellence

No other commercial audio manufacturer comes close to the airport and mass transit knowledge within AtlasIED. We have seasoned design engineers and development teams with hundreds of combined years in the airport and mass transit world. Our team focuses on products and methods specially designed for the airport and mass transit markets.

Made in the United States

AtlasIED is proud to design and manufacture our IED paging and communications systems within the United States.

ISO9001 Manufacturing

We take great pride in our ISO 9001:2008 registration and go above and beyond industry norms by providing QA testing for 100% of the products that we manufacture both at the board and final assembly level.

Design Assistance and Support Services



As a system manufacturer, IED assists integrators by providing a complete, turnkey solution with the necessary support to ensure a successful project every time.

Design Assistance & Verification

IED application support engineers provide design assurance and work closely with integrators for optimal system selection that meets customer requirements and expectations.

Site Acceptance Testing

Assist integrators with system demonstration and ensure the chosen solution meets the performance requirements within the specifications.

System Commissioning

Onsite assistance during the installation process to ensure proper user training and smooth system commissioning.

Long Term System Assurance



IED strives for long-term partnerships as evidenced by our list of installations still operating optimally after 30 years.

✓ 24/7 Support

Available via telephone and direct internet connection to your system. We minimize system interruptions, provide optimized setup, and configuration.

✓ Platinum Assurance Plan

Optional Assurance Plans provide extended warranty, support, and scheduled maintenance to ensure reliable system operation and long term value for the best value proposition.

✓ Long Service Life

IED systems are designed to industrial standards for long life. Our Airport and Transit systems have been known to operate for over 25 years between system replacements.

✓ Easy Upgrade Path

IED systems are designed with future expansion and feature enhancement in mind. Hardware and Software upgrades are engineered to allow system upgrades without full system replacements to optimize your system investment for the future.

Engineering Excellence

Since 1978



Innovative Electronic Designs (IED) is a global electronics manufacturer providing comprehensive audio solutions for airport and mass transit. We save organizations time and money with effective use of audio communication systems, while also helping to maintain a safe airport work environment. This is accomplished with our industry-leading enterprise paging, mass notification, VoIP systems.

Our technologies seamlessly interface and integrate into existing and future analog and IT-based infrastructures. Our systems are used by Large, Medium and Small Airports, this also includes public transportation hubs such as metro and rail .

**At IED, we care about every business size and we want each of them to not only survive -
*we want them to thrive.***

Strategic Partnerships

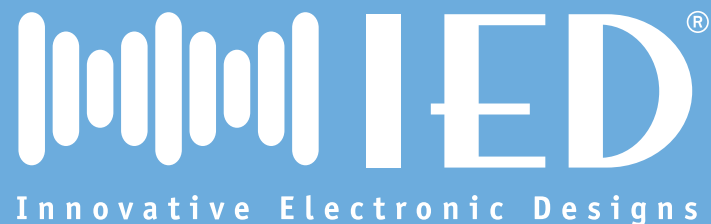


Preferred
Solution
Partner



AMERICAN ASSOCIATION OF AIRPORT EXECUTIVES





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