UNDERGROUND OR ON THE ROAD - COMMUNICATE CLEARLY WITH YOUR PASSENGERS

It's your job to move people every day. So the quality of your audio system is important. Your passengers need to know about arrivals, schedule changes, delays, special announcements – all the essential information to help them get to where they need to go.

Innovative Electronic Designs, Inc., known for its automated announcement control systems in airports around the world, also provides those systems for rail and bus transportation systems. Already at work in two of America's largest subways, IED's systems can help you communicate with your passengers clearly and quickly.

**Wilshire/Western Station,
L.A Metro Red Line.**

MAJOR SYSTEM COMPONENTS

A typical system consists of several of IED's unique components:

- Audio/page distribution, pre-recorded message storage, and message assembly are handled centrally at the command center location by IED's 500ACS® Announcement Control System

- Audio/page distribution, pre-recorded message storage, message assembly, ambient analysis, equalization, and supervision are handled at each station by IED's 8000 Series Totally Integrated Processing System (TIPS™)

- Power amplification in stations available from IED's 6000 Series Power Amplifier System, which provides as many as 16 amplifier channels in seven inches of rack space

- Americans with Disabilities Act requirements are met with Customer Information Signs, which display word-for-word text of pre-recorded messages at the same time as the messages are played

- Noise levels are monitored on platform areas, then IED's Ambient Analysis System raises or lowers the volume of announcements *automatically and in real time*

- System supervision and diagnostics are provided by IED's Monitor/Test System, which tests all points in the audio signal path, including microphone stations, page audio output, power amplifiers, and speaker circuits

34th Street Station, New York City

IED'S NEW YORK CITY CHALLENGE

We met the challenge of an unfriendly acoustical environment and high noise levels in the largest subway system in the world. Our 8000 Series system makes sure immediate text, recorded, and live announcements get to the 135 passenger stations. This IED announcement system is used to assemble, control, and monitor messages and system status over the New York City Transit Authority's network.

A quality system merits quality support. At IED, our system designers and engineers use remote access capability from their headquarters in Louisville for routine maintenance checks, troubleshooting, and installing software upgrades via file transfer protocol.

A NEW SOUND IN LOS ANGELES

The Metro Red Line of the Metropolitan Transit Authority (MTA) in Los Angeles uses IED's package of audio processing systems.

The MTA's Fiber Optic Cable Transmission System (FOCTS) provides the IED system's audio signal connections between each of the subway's passenger stations and the Rail Operations Center (ROC). System control data is transmitted via a TCP/IP connection, also over the FOCTS.

In case of network failure, there is a backup capability provided via a PBX link for telephone page access through the IED system.

**Wilshire/Western Station,
L.A Metro Red Line**

IED'S SYSTEMS FOR TRANSIT FACILITIES:

- Remote access for timely, professional maintenance upgrades

- Already proven in several rail systems

- Can operate within and in conjunction with your existing structure and data network

- Monitor noise levels to raise or lower volume of announcements accordingly

- Supervised and redundant for reliable operation

- Utilizes a proven technology already in use in subways, airports, convention centers, factories, coliseums, and hotels

CREATED, DEVELOPED, AND SUPPORTED BY

IED®
Innovative Electronic Designs