TOA

Solutions for Infrastructure

Railway / Airport

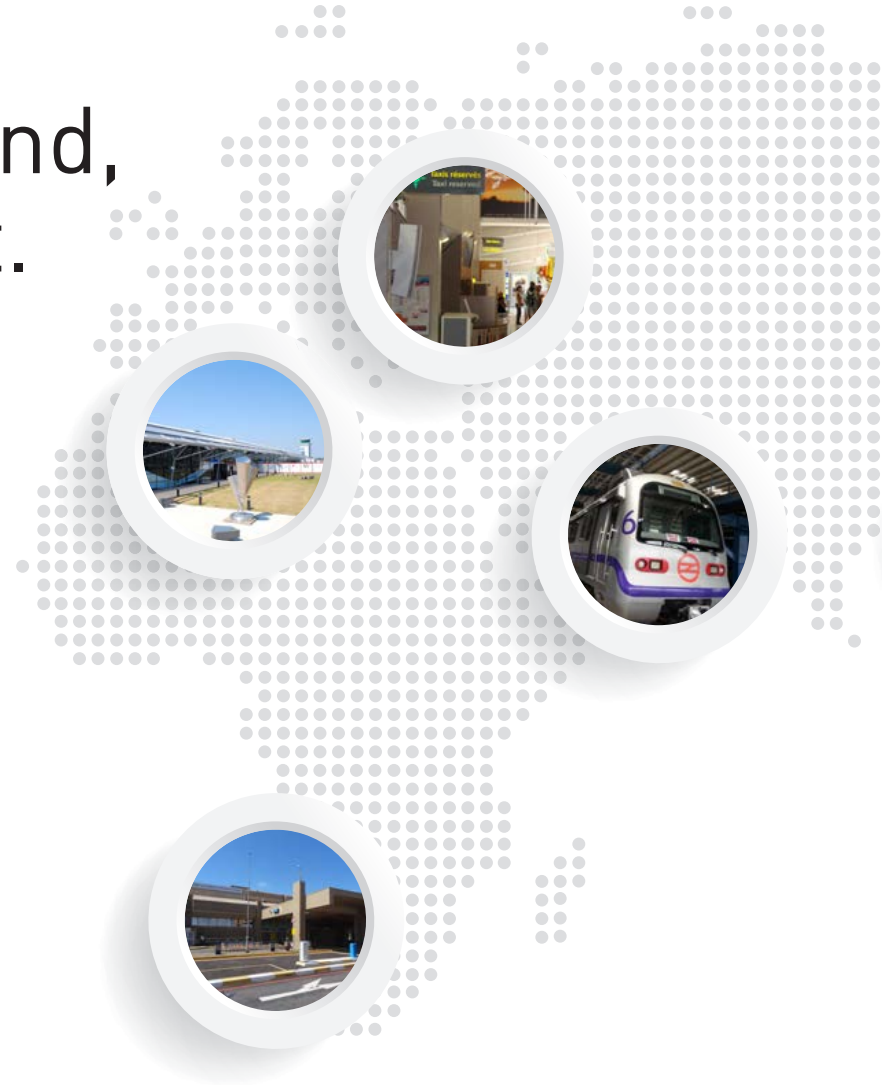








We supply sound, not equipment.



That's our corporate philosophy.

Founded 1934 in the Japanese city of Kobe, we can draw upon more than 80 years of experience in researching, developing and selling commercial and professional audio and security equipment.

You will find our systems in thousands of different places, such as schools, concert halls, shopping malls, skyscrapers, airports and sport stadiums. They are not only there to serve the security and surveillance but also for perfect transmission of concerts and music.

Our pride is that we can use this knowledge to create acoustic sound fields for millions of people to make their lives safer and more pleasant.

Since its founding, TOA has pursued its business based upon a solid Management Philosophy, which are the"Three Confidences". These important basic foundations will carry us into an even brighter and prosperous future.

Best sound provided with every product.

In every company within the TOA group we utilize the technical expertise and know-how that we have accumulated throughout the years in every aspect of production,from product planning and development right through to sales and management.

We are constantly improving our technological capabilities in areas such as acoustics, graphics and networks, and developing innovative products in order to provide customers with the ultimate in good sound and peace of mind to help make their lives more comfortable.

Our three confidences

Total confidence of our customers in the use of all products.

Total confidence of our associates in all business transactions.

Total confidence of our employees in all their effort.

TOA Global network

In line with our slogan “5 TOAs in the world,” we at TOA have divided the markets that we serve into five regions: Japan; the Americas; Europe, the Middle East, and Africa; Asia-Pacific; and China and East Asia. As well as developing technologies and products that ensure a safe, secure, comfortable lifestyle for customers in the diverse markets of these five regions, we are pursuing a proactive overseas sales strategy based on the optimal production and marketing frameworks for each region. We provide the world-class quality expected by customers in more than 120 countries across the globe.







TOA Solutions for Infrastructure



Railway

The history of TOA’s efforts to open up markets in the railway sector dates all the way back to the early 1940s, just over a decade after the company’s founding, when our company installed PA systems in a number of Japanese railway stations. In 1972, we began developing, manufacturing, and selling our own automatic announcement systems designed especially for use in railway stations.

Today, we provide a variety of solutions that help to improve passenger service and increase the efficiency of railway station operations, including announcement systems, display equipment, and security cameras for both stations and railway cars. TOA systems have been installed in more than 1,500 railway stations within Japan alone, and in more than 4,500 railway cars worldwide.



Airport

Since first installing intercom systems at Japanese airports in 1978, TOA has been involved in numerous airport development and upgrading projects both within Japan and overseas. Accounting for 97% of the announcement systems installed at Japanese airports, TOA helps to ensure the accurate transmission of information to passengers and the smooth running of airport operations.

In recent years, TOA’s announcement and communication systems have been installed in numerous airports across the globe, including Shanghai Pudong International Airport (China), London Heathrow International Airport (UK), and Soekarno–Hatta International Airport (Indonesia).

TOA Solutions for Infrastructure

Railway

TOA creates a completely reliable infrastructure environment, with clear announcements at the ideal volume in railway stations and cars, and displays that provide accurate information. We provide a range of solutions to ensure that passengers reach their destinations with peace of mind, in comfort, without fail.



Operations Control Center





PIS Server



TCP/IP

Station Control Room



Intercom

PA System





▶ Different announcements can be broadcast simultaneously

On-Board Project References



Delhi Metro (RS3)
India



Bangalore Metro
India

Washington Metro	USA
NYCT (R188)	USA
Athens Metro III	Greece
MRT	Singapore
DMRC RS8/RS9	India

Railway Project References



Edmonton Light Rail Transit
Canada

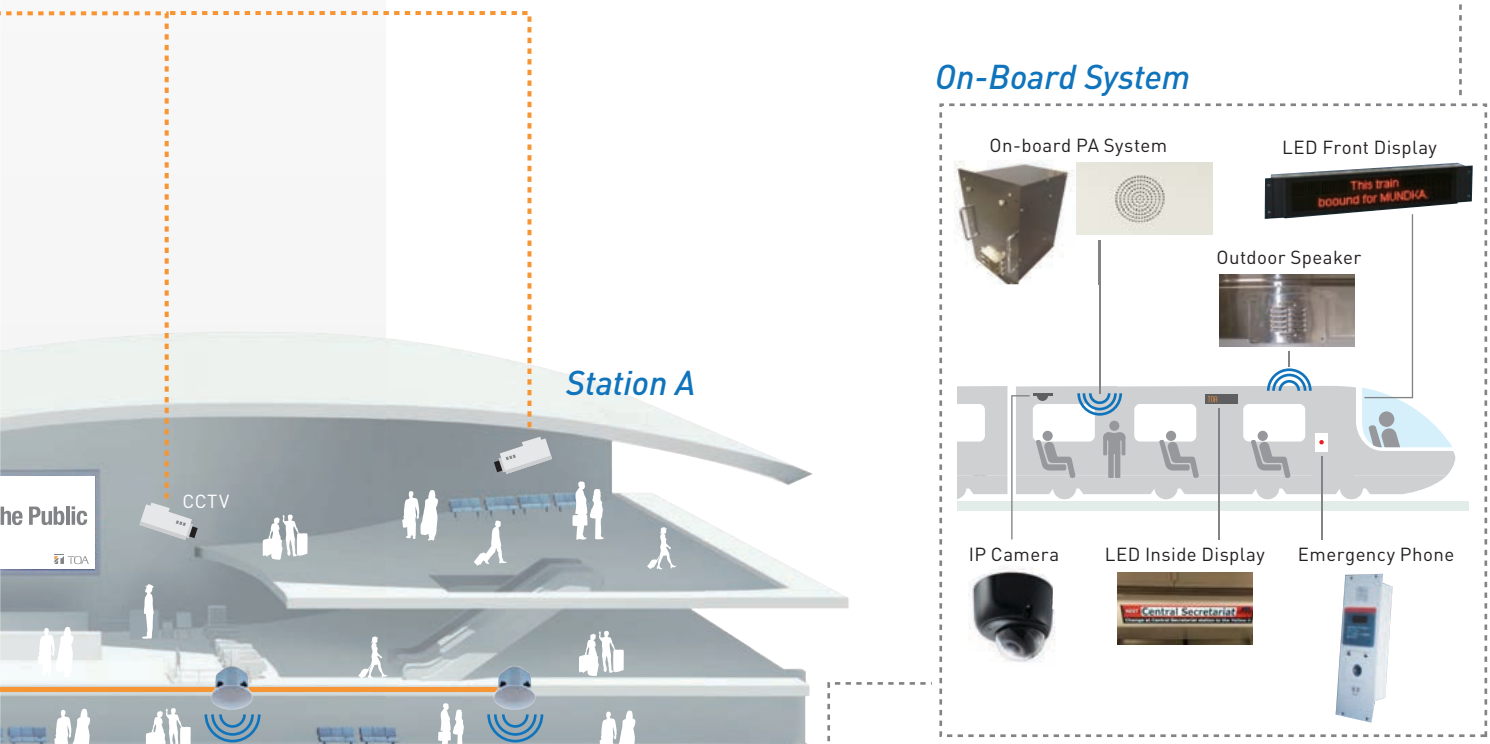


Taiwan High Speed Rail Stations
Taiwan

London Waterloo	UK
Lyon Part Dieu Station	France
Tramway Dijon	France
Warsaw East/West	Poland
Stations Metrorail Stations	South Africa
High-speed railway Station	China
Santiago Metro	Chile
KTMB Double Rail Track	Malaysia

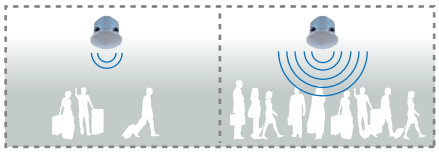
▸ Automatic announcements in association with the Passenger Information System (PIS)





▸ Ambient Noise Control

Automatically adjusts the volume level of announcements in response to fluctuation of ambient noise.



Airport

Airports require specific announcements to be made in specific areas, to help to guide airport users to where they need to go. Offering the sound systems and engineering capabilities required for safe, reliable passenger transit, we facilitate the accurate transmission of information to passengers and smooth communication between airport staffs.



Airport Project References



Shanghai Putong International Airport
China



Pearson International Airport
Canada



Stanfield Halifax Airport
Canada



Greater Moncton International Airport
Canada

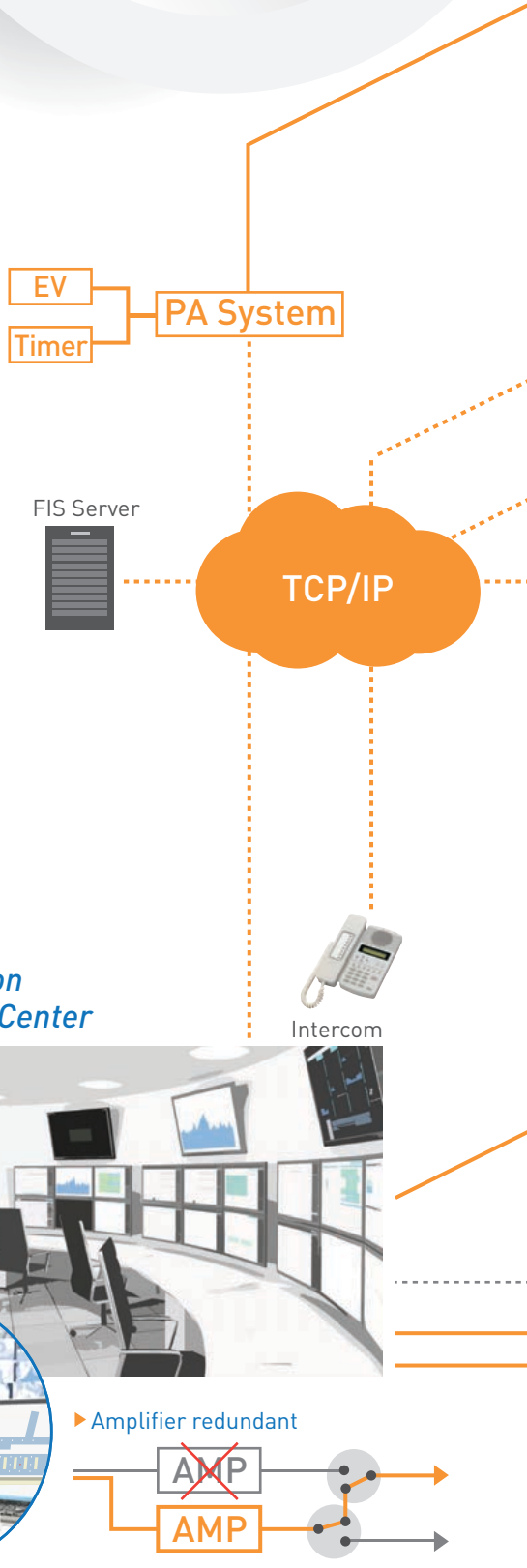


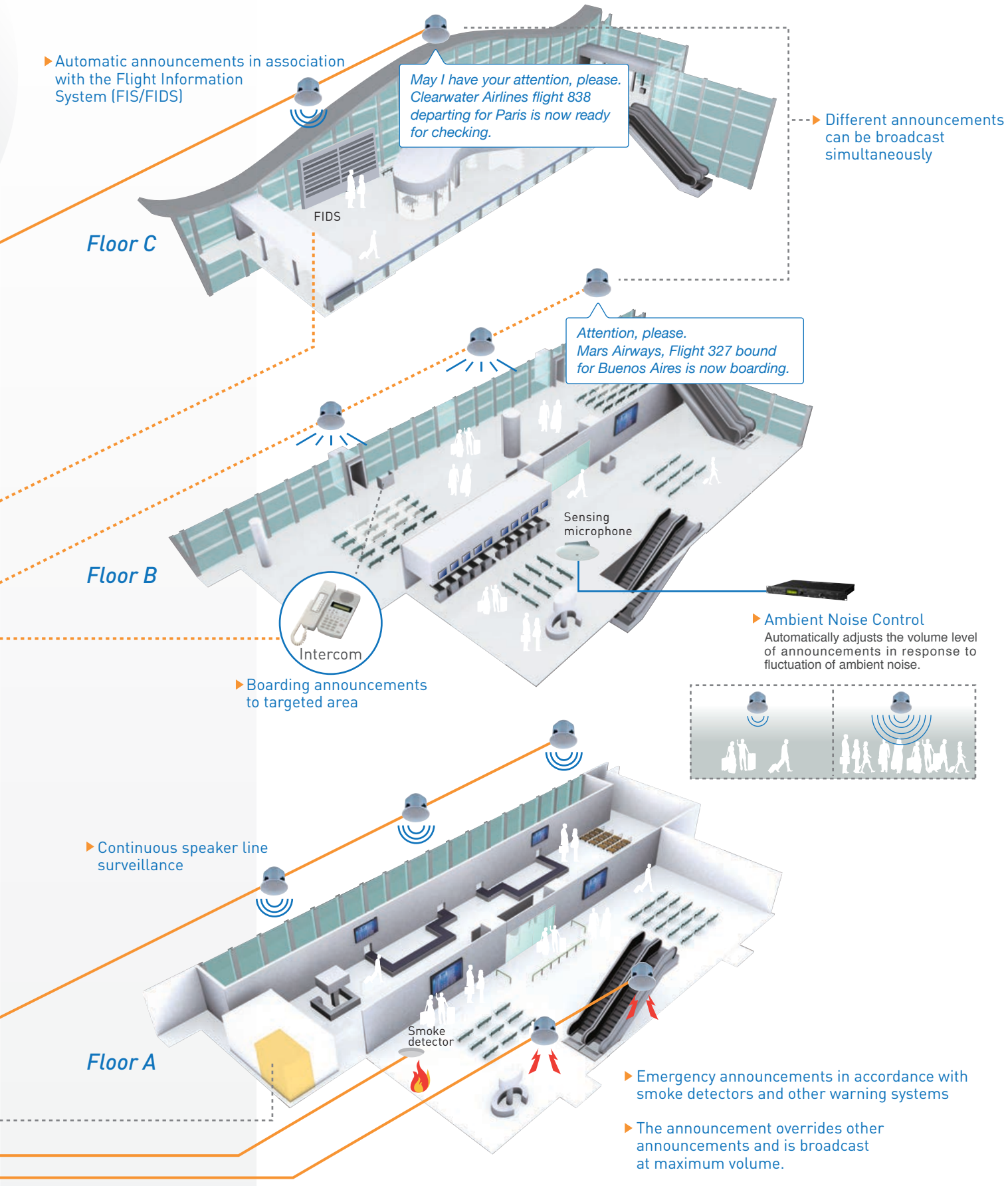
Southend Airport
UK



Fredericton Airport
Canada

Toulouse Blagnac Airport	France
Deer Lake Regional Airport	Canada
Narita International Airport	Japan
Tokyo International Airport Guangzhou	Japan
Baiyun International Airport Tan Son Nhat International Airport	China
Laos International Airport	Vietnam
Soekarno-Hatta International Airport, Terminal D/E/F	Laos
Taipei Songshan Airport	Indonesia
	Taiwan




Automatic announcements in association with the Flight Information System (FIS/FIDS)
May I have your attention, please. Clearwater Airlines flight 838 departing for Paris is now ready for checking.
FIDS
Floor C
Different announcements can be broadcast simultaneously
Attention, please. Mars Airways, Flight 327 bound for Buenos Aires is now boarding.
Sensing microphone
Floor B
Intercom
Boarding announcements to targeted area
Ambient Noise Control
Automatically adjusts the volume level of announcements in response to fluctuation of ambient noise.
Continuous speaker line surveillance
Smoke detector
Floor A
Emergency announcements in accordance with smoke detectors and other warning systems
The announcement overrides other announcements and is broadcast at maximum volume.

High value of Japanese technology in both Hardware and Software

Quality control on the Factory Floor

TOA uses its very own factories both within Japan and overseas. Numerous engineers from Japan are sent to our overseas production plants to ensure that the state-of-the-art equipment adheres to the same stringent quality control system used in our Japanese production facilities. Furthermore, twice a year members from our Quality Control Division visit overseas production facilities to carry out inspections and make sure that quality standards are being maintained.



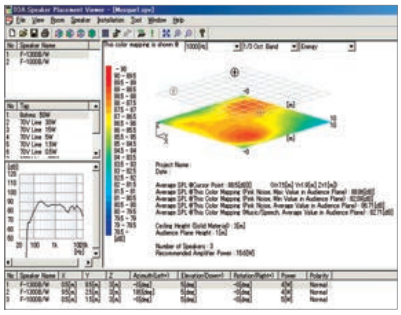
Compliance with Laws and Regulations

TOA is constantly carrying out tests to ensure that products comply with various regulations and standards around the world: safety regulations including UL, CE, CCC, RoHS, WEEE, EN 54, SASO, and REACH; the standards for each country; and ISO 9001. We do this so that consumers have complete peace of mind when using our quality products.



State-of-the-Art Equipment

In order to satisfy the legal requirements and conditions of each country, products must pass a large number of stringent tests. By installing various kinds of testing facilities, such as anechoic/echoic chambers and EMC test chambers, and by carrying out in-house testing, TOA has been able to improve its development efficiency.



TOA Speaker Placement Viewer: Software for Acoustic Simulation

At TOA, we are constantly trying to improve our services and share information with our customers. TOA Speaker Placement Viewer provides an easy way to calculate how many speakers are needed in a room. The software allows virtual placement of TOA Line Array, as well as all TOA Public Address and ProSound speakers.

TOA
Smiles for the Public

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