Specific and custom made solutions for all types of facilities: metro and railway stations, ports and airports, road tunnels, hospitals, shopping centers, concert halls, congresses and exhibitions, industry...
OPTIMUS provide a wide range of IP sound products that are mainly designed to comply with the Railway’s industry requirement as well as customized products (hardware & software) to achieve specific demands and integrations with other services.

In the Optimax2 platform we have implemented all the experience achieved in the most restrictive MRT/LRT and Railways installations done in the last 30 years.

Using Optimax2 platform we can project a completely new PA solution and/or convert a legacy existing system into a new IP based technology system.

As specialist in Public Address & Voice Alarm Systems, OPTIMUS aim is to provide a service with specific and tailor-made solutions.

Optimax2 System is suitable for both centralized or distributed systems, scalable and modular, for infrastructures of any type and size, linked through the corporate data network.

Its flexibility, scalability and integration capability allows it to adapt or create new hardware and/or develop customized software to meets the needs of the installation.
The OPTIMAX2 platform uses its own hardware and software, as well as some standard elements of the COMPACT system (such as cards, microphone desks and power units). A specialized department of OPTIMUS works to adapt or create new hardware and/or develop customized software.

**OPTIMAX2 main equipment**

- **UMX-03/0 • UMX-03/0E**
  Main unit of the OPTIMAX2 system, with redundant connection to IP, reception and emission of 4 simultaneous IP audio channels and internal bus of 16 audio channels. It can be expanded with secondary UMX-03 matrices. 
  *OPTIMAX2 uses the same cards as the COMPACT control unit, and also has other specific cards to cover special demands, such as the UMX-SYL with two redundant audio outputs or the UMX-ETH+ that adds to the system an additional Ethernet connection.*

- **IF-802ETH • IF-804ETH • IF-822ETH**
  Interface to connect power amplifiers at any point in the network, with two audio outputs (IF-802ETH), with four audio outputs (IF-804ETH) and with two inputs and two audio outputs (IF-822ETH).

- **IF-8P4ETH • IF-8P4/0E**
  Modular IP amplifier with capacity for 4 class D power modules (one for backup if necessary) of 60, 120, 150, 250, 300 and 460 W. Allows hot swapping of amplifiers.

- **IF-8WxxxETH**
  Amplifiers with IP connection that receive up to 4 simultaneous IP audio channels. With warning safety relay, input and output contacts and local audio input. Available in various powers and in AC or AC/DC versions.

- **MI2-800ETH • MO2-800ETH**
  Audio converters that convert from analog audio to OPTIMAX2 digital format (MI2-800ETH) and from OPTIMAX2 digital format to analog audio (MO2-800ETH).

- **DC-800ETH • DC-800ETH/T • DC-800ETH**
  Microphone desks for the broadcast of announcements, live or pre-recorded through the Ethernet network, and for the control and supervision of the public address system and configuration of parameters.

Only part of the OPTIMAX2 platform products are shown in this document. Our technical & sales department is at your disposal to study your installation needs and advise you on the best solution.
Smartphone / tablet application

**APP-OPT1**

Application (Android and iOS) to manage COMPACT and OPTIMAX2 Public Address and Voice Alarm systems. It connects directly to equipment without intermediate servers. Suitable to control the music, announcements and system status in hotels, shopping centers, transport stations...

Circle Line 6 (CCL6), Singapore

Toluca - Mexico City commuter rail

Oriente tunnel, Colombia

Manila LRT System L2, Philippines

S-train Stations, Copenhagen, Denmark

Thomson - East Coast MRT Line, Singapore