Penitentiary Centres require multiple public address, voice alarm and intercom systems for the safe management of the prison and the flow of staff, inmates and visitors. These are complex infrastructures, with different needs that include inmates’ cells and their common areas, visitor posts, administrative offices, or care for relatives and visitors. Often they include infirmary, nursery, workshop, school, hospitalization module, place of worship ... each space with its specific requirements.

OPTIMUS has multiple solutions that are perfectly adapted to each of the needs of prisons, using the data network infrastructure if necessary, and forming part of the global security, evacuation and voice alarm system.

PUBLIC ADDRESS AND INTERCOM CONNECTED BY THE DATA NETWORK
Public Address: A Solution for Every Building

In a prison there are different buildings with different functions: cells, hospital, offices, school, workshop ... The global public address system is prepared to connect the general control (in the control tower, for example) with each of the secondary systems, which in turn can work autonomously:

**OPTIMUS Solutions**

Resistant and Reliable Sound Points

Different prison spaces require different types of loudspeakers and all of them must be reliable and robust, easy to install and maintain, weather resistant when necessary and adapted to the needs of each space.

**IP54 Ceiling Loudspeaker, 4”, 6 W, 100V/8ohm**

**IP66 Sound Projector, up to 104 dB SPL**

**Two-way Loudspeaker, IP56 and 32 W RMS**

**IP67 Horn Speaker, up to 124 dB SPL**

**IP54 Acoustic Column, 92 x 210 x 70 mm**
INTERCOM FOR CELLS

An essential element in a prison is the intercom that allows conversation between the cell and the control centre.

The solution requires robust equipment, sometimes custom made to fit needs, and connected in the simplest way possible, many times using the telephone network and the SIP communication protocol.

LARGE CAPACITY SYSTEMS

Intercom systems serve a large number of call points, whether at entrances, common areas or cells. Both the options wired by bus and those connected via the data network are high-capacity and allow effective handling of all calls.

VISITORS

Different possibilities depending on the needs of each situation.
Robust and resistant equipment to facilitate communication between visitors and inmates.
Sets of two points quick to install and powered autonomously by batteries.
Microphones to capture ambient sound.

ACCESS

Metal plates, prepared to embed, vandal-resistant and weatherproof.
With audio and video, night lighting, wide-angle camera, high sensitivity ...
Models with induction loop, pictograms, voice messages, led indicators, braille ...
Electronics to integrate into ATMs, barriers, SOS or information points ...

COUNTERS

Intercom sets for protective screens and counters.
They allow communication despite barriers and avoid raising their voices.
Hands-free communication with automatic or button-controlled switching.
Immediate installation with all the necessary elements included.
OPTIMUS SOLUTIONS
PENITENTIARY CENTERS

CUSTOMIZED EQUIPMENT

The general public address, voice alarm and intercommunication systems of prison are of great importance and, in many cases, tailor-made solutions are required. OPTIMUS has the capacity to develop and adapt products for this type of special projects and for hardware and/or software integrations.

- Manufacture and/or modification of equipment according to the needs of client and the works.
- Complementary modules to meet the demands of any public address system installations.
- Integration with other security systems.
- Software adaptation to the particular needs of the facilities.

Puig de les Basses, Figueres*
Nicosia prison (Cyprus)*
Albolote prison, Granada*

*Example of installation in which OPTIMUS equipment has been used