

PLANNING THE FUTURE TODAY: PRISON DESIGN AND INFRASTRUCTURE

SPANISH SITUATION

- The Spanish prison population rate decreased by 10% from 2018 to 2022 (from 51.141 inmates in 2018 to 46.503 inmates in 2022)
- This is due mostly to the fact that the prison sentence can be served under home detention with electronic monitoring
- In Spain, there are 66 prisons in the framework of the criminal justice system which detain the most dangerous prisoners (multi-recidivists, violent offenders, sex offenders and also remand prisoners), 24 one are Type Configuration prisons
- 33 Social Insertion Centers (Based on the idea that recidivism and crime rates could be reduced through education and other correctional activities)
- 2 Psychiatric Facilities
- 4 Mother Unit Facilities

SPANISH TYPE CONFIGURATION



Puerto III

- Opening year: in 2007
- Built Surface: 89.085 m²
- Number of Modules: 14
- Number of cells: 1.180
- Máximum inmates - capacity 2.222
- Actual number of inmates 1.232
- Services
 - Swimming pool
 - Kitchen room
 - Bakery
 - Indoor sports center
 - Occupational and productive workshops



ACTIONS OF SPAIN IN THE PRISON FIELD

Amortization Plan and Creation of Penitentiary Centers (PACEP) —————> Financial plan (23,9 million € invested in 2021 and 25 million € are planned as investment in 2022)

Nowadays we are working on designing a new Psychiatric Facility in Alicante.

This new facility is being designed with the philosophy of architectural psychology, i.e. taking advantage of the psycho-social effect that spaces produce on people's behavior and emotions in order to intervene therapeutically.

Psychiatric Center characteristic

- Capacity for psychiatric treatment: 100 inmates.
- Energy self-sufficient, sustainable energy generation.
- Green landscaping zones with drip irrigation for outdoor activities.
- Green corridors between modules for inmates to walk around.
- Spaces for families and inmates.
- All psychiatric specialties.



ACTIONS OF SPAIN IN THE PRISON FIELD

A new Social Insertion Center will be built in Gran Canary Island

- The CIS will have residential spaces to accommodate a total of 160 inmates
- It will materialize in two independent buildings. These are accompanied by a series of common, educational, occupational, etc. services, as well as an area for the administrative part and in addition to having an area for the Management Service of Alternative Sentences and Means, related to the part of the offices , with totally independent access.
- It is important to highlight the influence that the climatic factor has had on the proposed design, since the benign nature of the climate in this area favors an architecture that is very open towards exterior spaces.
- The different uses are organized around a central space that communicates all of them through a covered area that, being open to the central space, provides shade to the entire route, as well as the ability to establish cross ventilation.



ACTIONS OF SPAIN IN THE PRISON FIELD

Finally, we are working to modernize most of oldest prisons to turn them into 21st century prisons and we will continue.

In our public works we apply materials and treatments to get zero C2 emission buildings, humane materials, healthy environment and we are setting up solar renewable energy systems in many big prisons.

We are researching different friendly security options:

- Laser walls, video cameras and drones integrated into a global security management system using artificial intelligence.
- Many cameras in corridors of modules connected to a machine that detects unusual behaviors to prevent altercations and predict possible psychological illnesses.



Thank you very much for your attention

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