

GOC

Consulting and Engineering



Portfolio

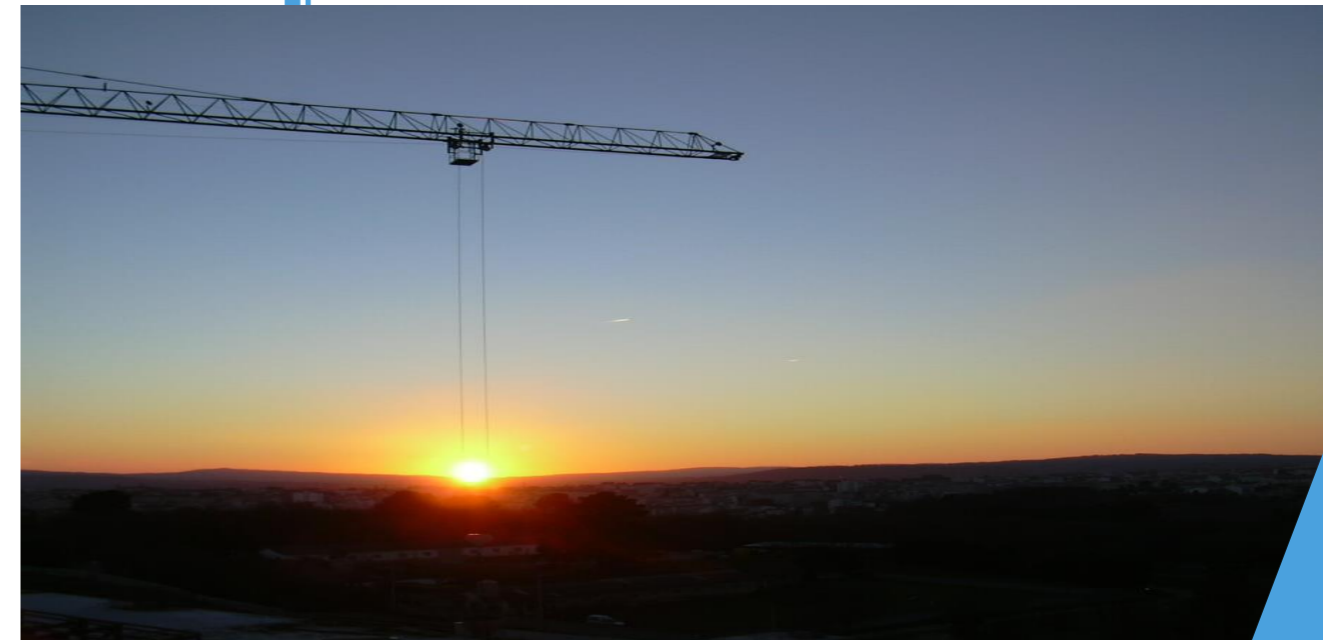
Energy efficiency and renewables

2021



At GOC we are characterized by our proven professional independence, commitment to the client's objectives and a proven ability to provide solutions in all types of situations.

Our commitment to quality in all processes and innovation is reflected in the certifications that have accredited GOC uninterruptedly since 1995, being one of the pioneering companies in the sector.



- Design
- Supervision
- Consulting
- Management

AUDIT ENERGY



Lucus Augusti University Hospital HULA (Lugo)



- **Investment:**
139 M€
- **Surface Area:**
127,000 m²
- Includes:**
 - 717 beds



- Health
- Energy Efficiency
- Spain
- Building
- Management



Hospital da Costa in Burela (Lugo)



- **Investment:**
6 M€
- **Surface Area:**
11,200 m²
- Includes:**
 - 200 beds

- Health
- Energy Efficiency
- Spain
- Building
- Design and Supervision



Ferrol Hospital Complex (A Coruña)



- **Investment:**
56.8 M€
- **Surface Area:**
80,500 m²
- Includes:**
 - 457 beds



- Health
- Energy Efficiency
- Spain
- Building
- Design and Supervision



Marina Hotel, Salmiya Kuwait



▪ **Investment:**
230 M€

▪ **Scope:**
Luxury Hotel

- Includes:**
- 91 luxury rooms distributed over three floors
 - Restaurants
 - Commercial and recreational areas

• Building

• Hotels and Residential

• Energy Efficiency

• Kuwait

• Consulting



New judicial building Pontevedra



▪ **Investment:**
20.4 M€

▪ **Surface Area:**
23,485 m²

Includes:

- 2 basement floors: parking, archives, facilities rooms
- Low P.: hearing rooms, registration, information point
- P 1 to 5: Courtrooms, offices of solicitors, lawyers and tax office.

• Infrastructures

• Energy Efficiency

• Spain

• Supervision



Energy audit in the courts of Arzúa, O Carballiño and Verín



- **Investment:**
N/A
- **Surface Area:**
2,187 m²
- Includes:**
 - Energy Efficiency analysis of court buildings



- Infrastructures
- Energy Efficiency
- Spain
- Supervision



Energy audit in several schools in Ourense and Pontevedra

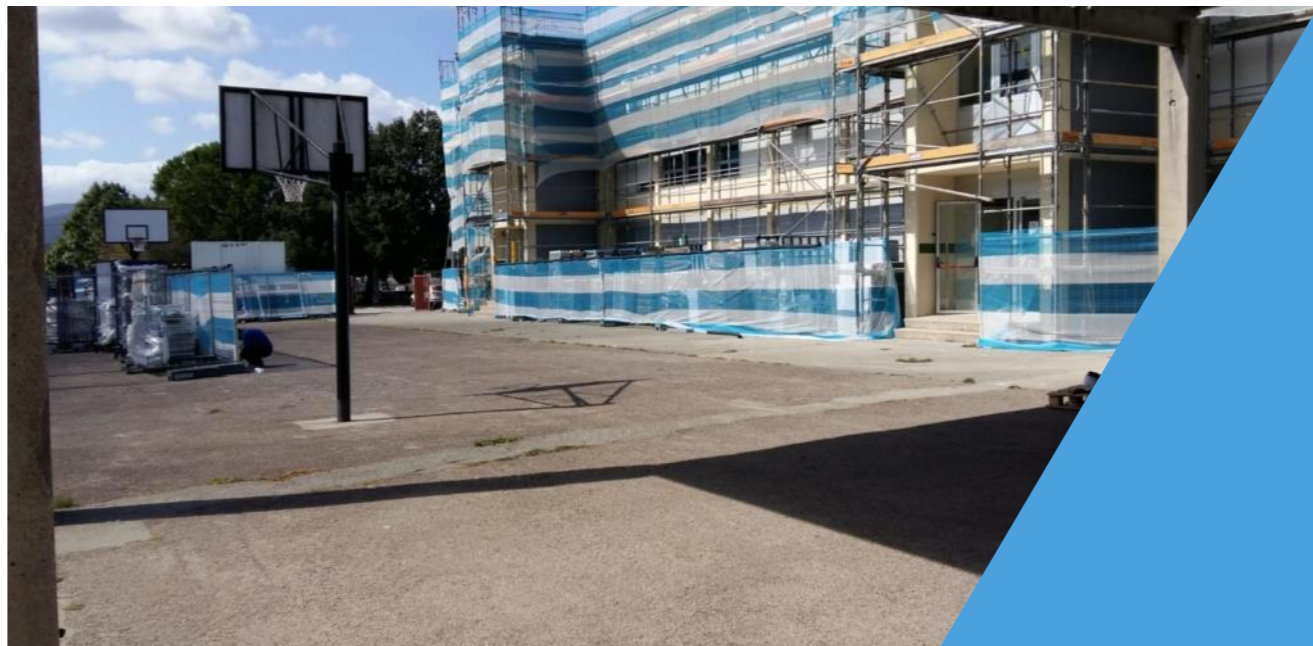


- **Scope:**
 - CPI A Cañiza
 - CPI de Pontecesures
 - CEE Miño en Ourense
 - CEIP Seixalbo en Ourense
 - CPI Coba Terreña de Baiona
 - IES Ramón Cabanillas de Cambados

▪ **Surface Area:**
25,236 m²

- Includes:**
- Audit of educational centers to achieve Energy Efficiency certification

- Infrastructures
- Energy Efficiency
- Spain
- Supervision



FACILITY PROJECTS WITH RENEWABLE ENERGY



Muprespa Fraternity Hospital (Madrid)

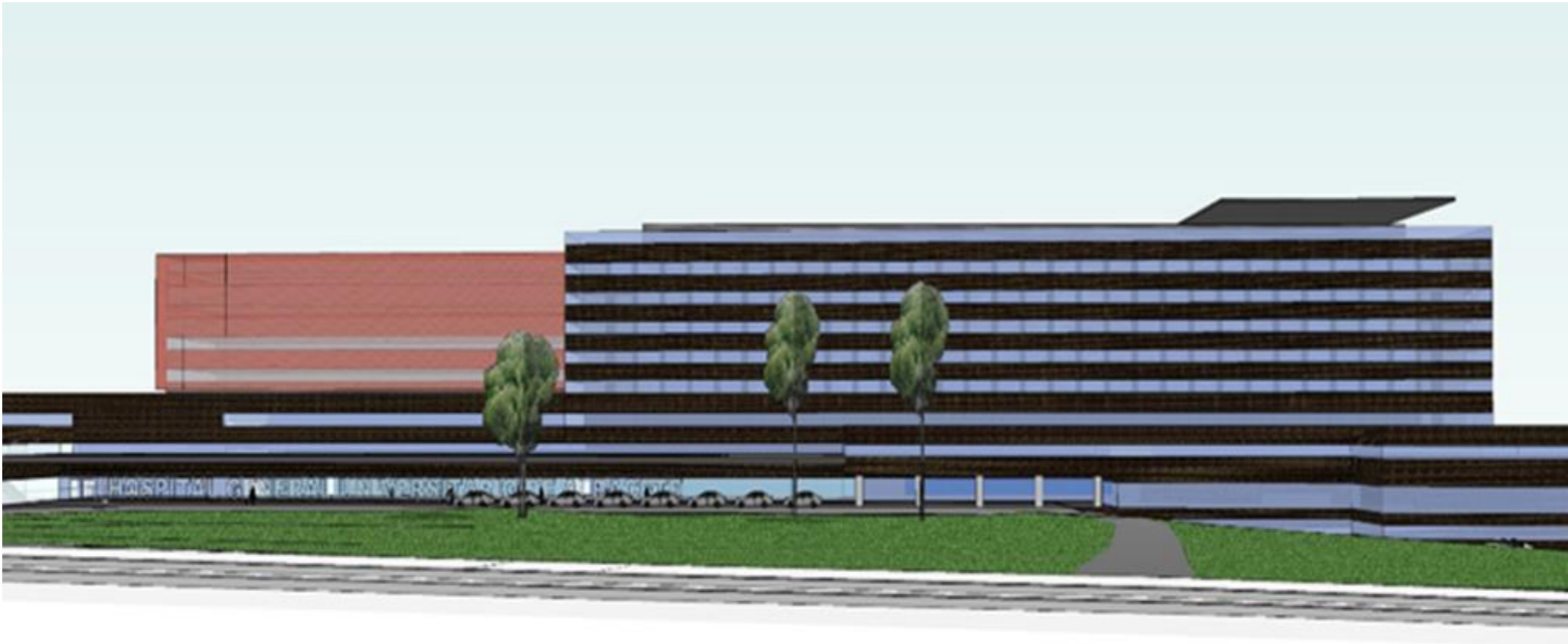


- **Investment:**
19.3 M€
- **Surface Area:**
15,000 m²
- Includes:**
 - 50 beds
 - Solar thermal and solar photovoltaic installation

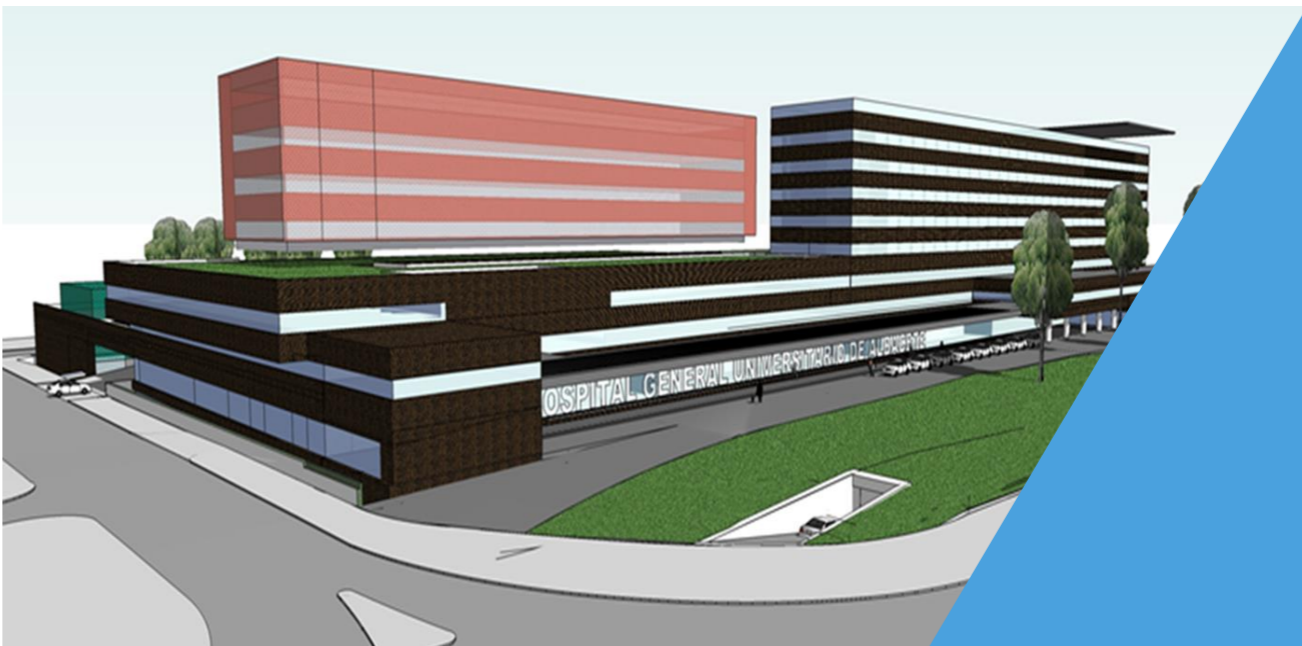
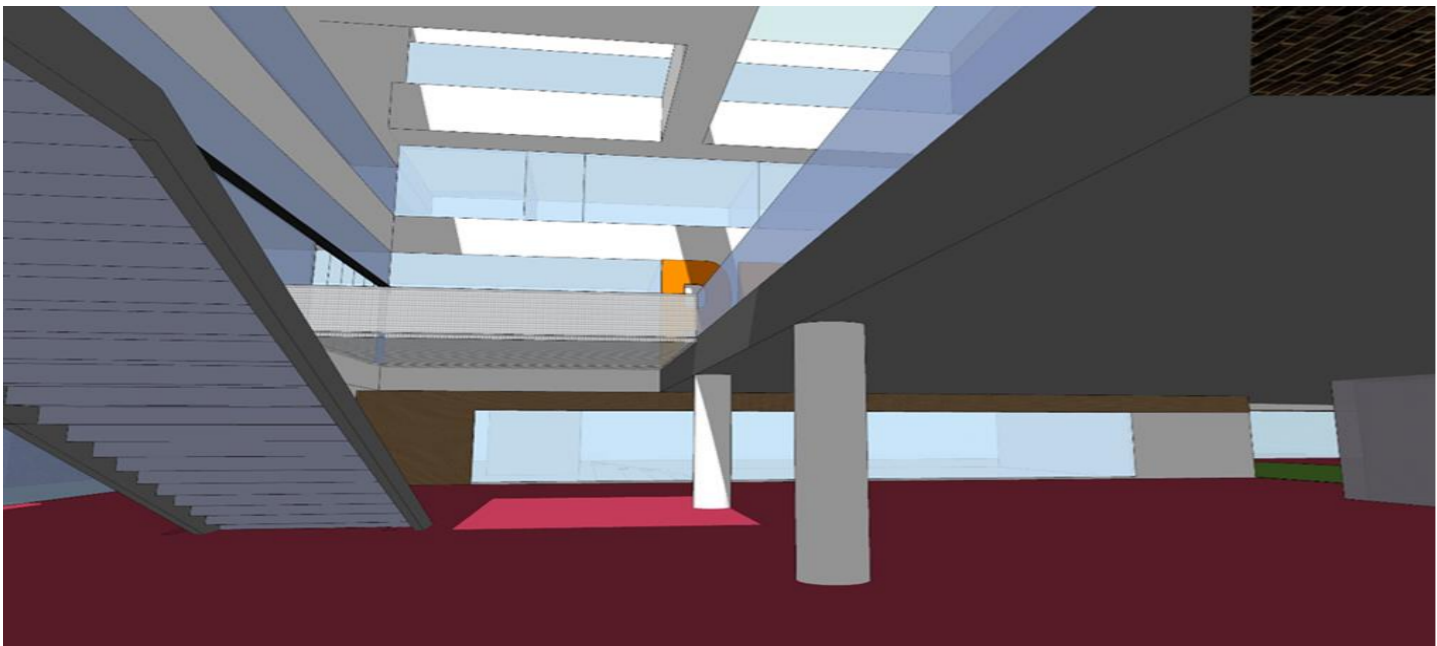
- Health
- Renewable energy
- Spain
- Building
- Design and Supervision



Albacete Hospital



- **Investment:**
100 M€
- **Surface Area of new construction:**
36,000 m²
- **Surface Area under reform:**
27,000 m²
- **Includes:**
Photovoltaic solar installation



- Health
- Renewable energy
- Spain
- Building
- Design and Supervision

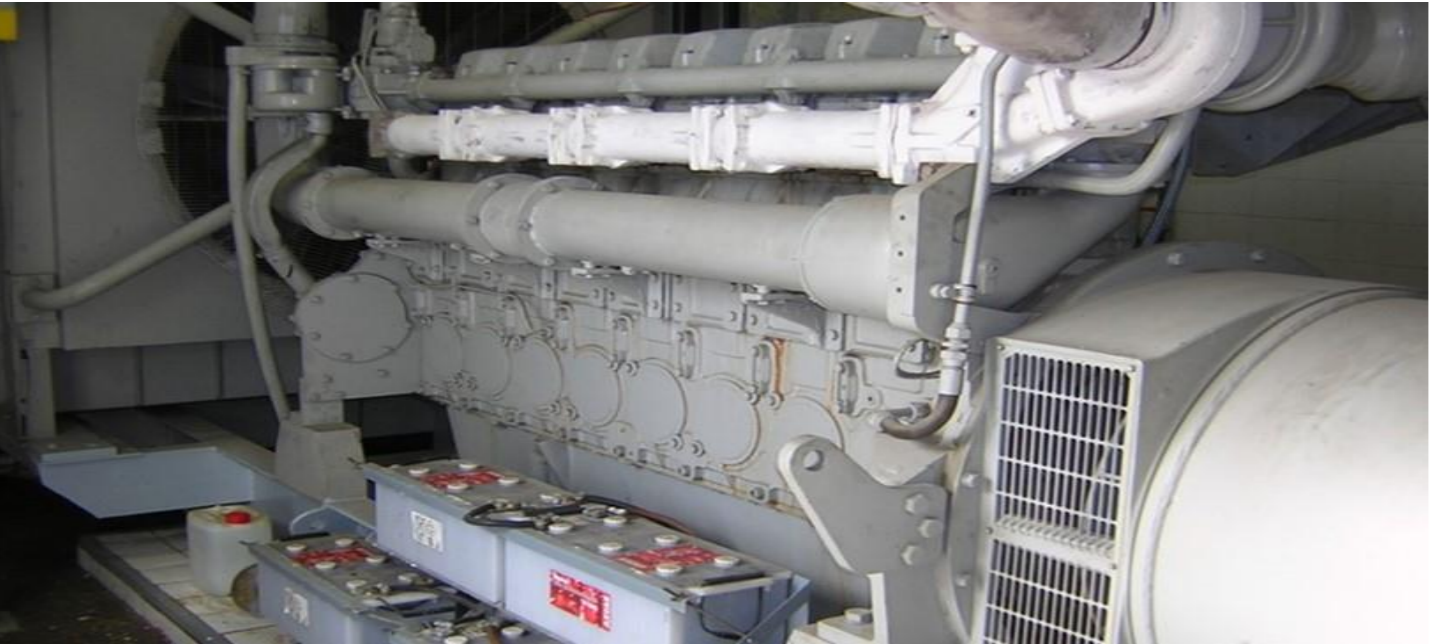


Cabueñas Hospital (Asturias)



- **Investment:**
12.1 M€
- **Surface Area:**
9,200 m²
- Includes:**
 - 11 floors
 - 19 operating rooms
 - Facilities building of 1,471 m²
 - Energy rating A
 - Photovoltaic solar installation

- Health
- Renewable energy
- Spain
- Building
- Design and Supervision



Gregorio Marañón Hospital (Madrid)



- **Investment:**
157 M€
- **Surface Area:**
194,000 m²
- Includes:**
 - 1,351 beds
 - Photovoltaic solar installation



- Health
- Renewable energy
- Spain
- Building
- Design and Supervision



Benito Menni healthcare complex (Madrid)



- **Investment:**
24.6 M€
- **Surface Area:**
50,637 m²
- Includes:**
 - 430 beds
 - Solar thermal installation



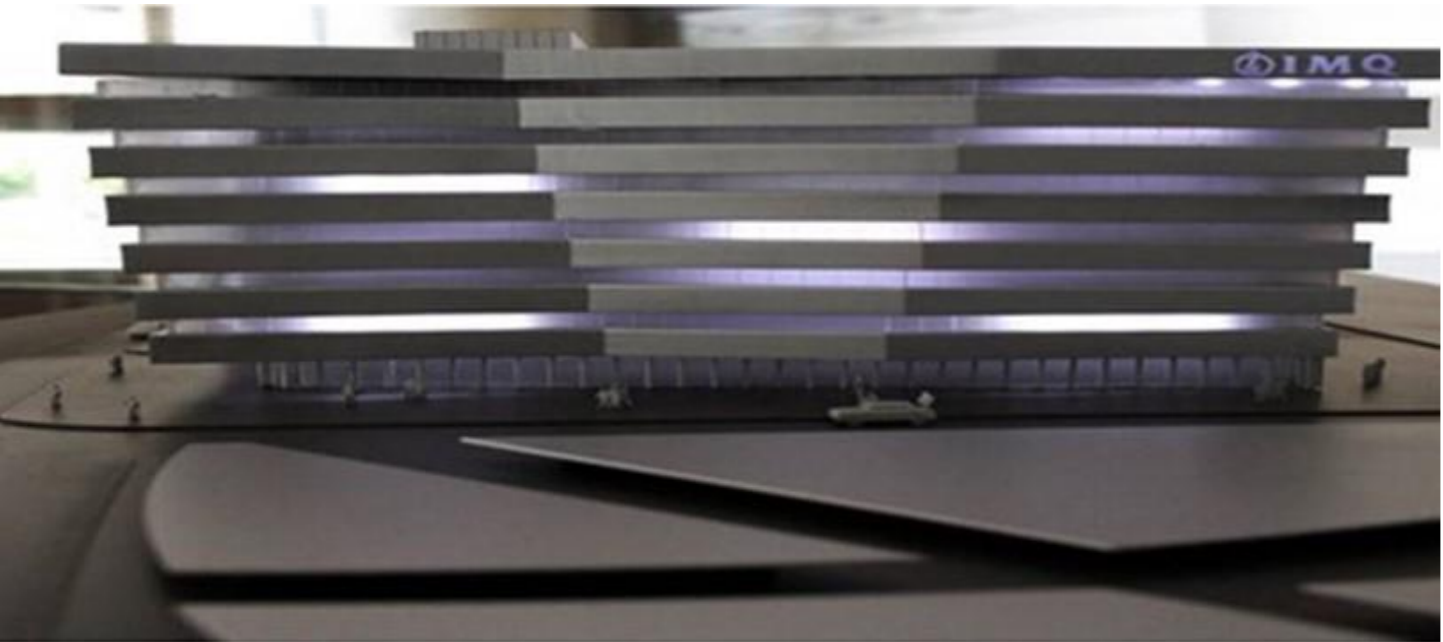
- Health
- Energy Efficiency
- Spain
- Building
- Design and Supervision



IMQ Zorrotzurre Clinic (Bilbao)



- **Investment:**
43 M€
- **Surface Area:**
43,839 m²
- Includes:**
 - 157 beds
 - Photovoltaic solar installation



- Health
- Renewable energy
- Spain
- Building
- Design and Supervision



Reina Sofía University Hospital of Córdoba



▪ **Investment:**
57.8 M€

▪ **Surface Area:**
200,000 m²

Includes:

- Maternal and child hospital
24,000 m² and 221 beds
- Medical-surgical hospital
70,000 m² and 1,000 beds
- Photovoltaic solar installation
- Solar thermal installation



- Health
- Renewable energy
- Spain
- Building
- Design and Supervision



Ceuta Penitentiary Center



▪ **Investment:**
78.5 M€

▪ **Surface Area:**
83,897 m²

Includes:

- 648 cells + 152 complementary
- Social insertion center 100 places
- Access control
- 3 checkpoints
- Concertinas and Fences
- Round Walls
- Solar thermal and photovoltaic installation

• Infrastructures

• Defense and security

• Renewable energy

• Spain

• Design



San Bartolomé de Tirajana Penitentiary Center (Canary Islands)



▪ **Investment:**
85.5 M€

▪ **Surface Area:**
109,182 m²

Includes:

- 1008 cells
- 206 cells cap. Complementary
- Communications module
- Productive and training workshops
- Sports-cultural module
- Continuous training center for civil servants
- Solar thermal and photovoltaic installation



- Infrastructures
- Defense and security
- Renewable energy
- Spain
- Design



'Centro I' penitentiary center Soria

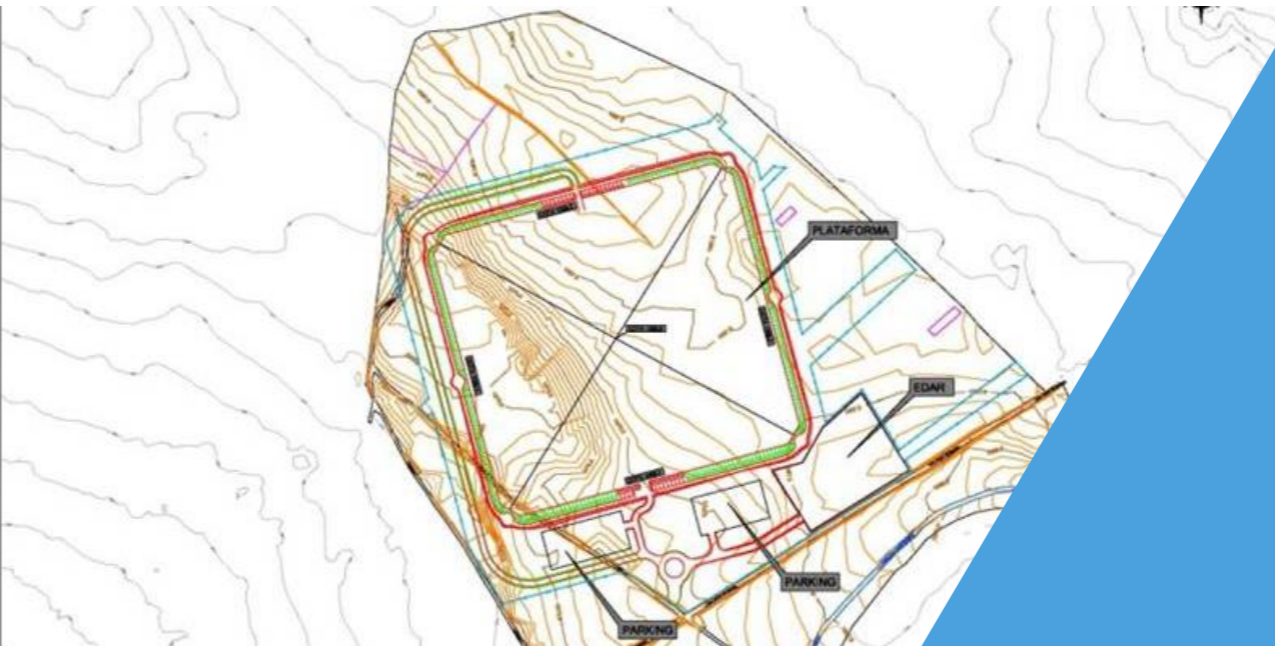


▪ **Investment:**
76.3 M€

▪ **Surface Area:**
89,378 m²

Includes:

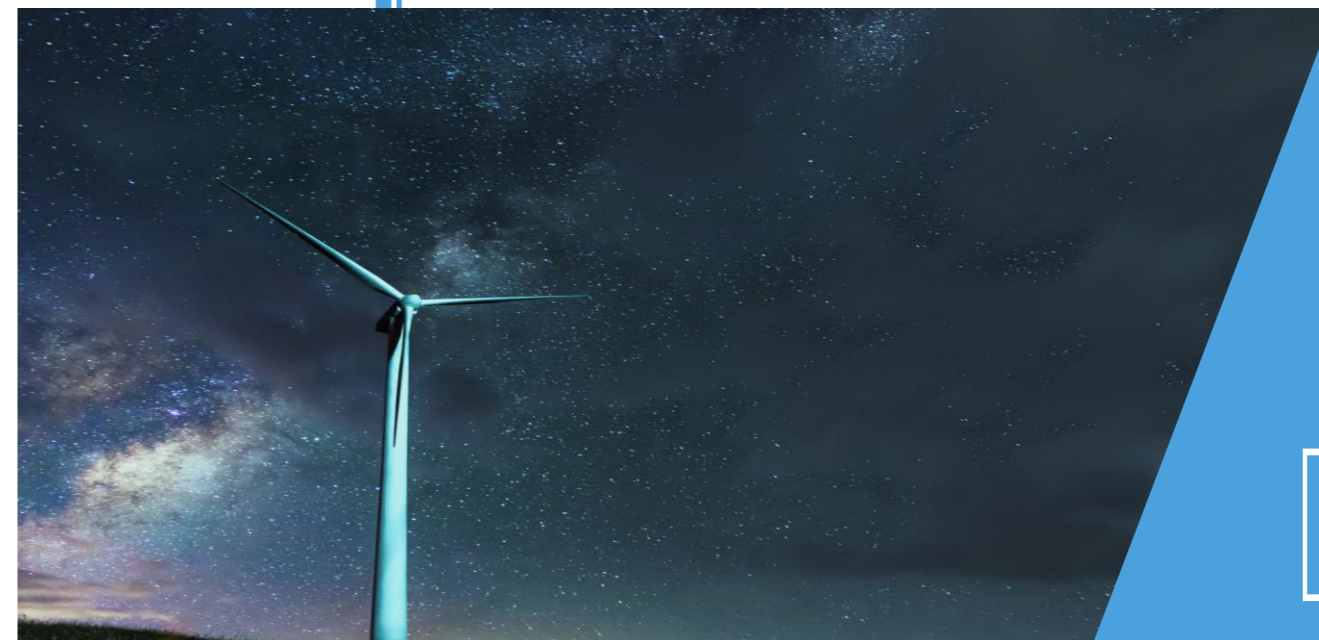
- 720 cells
- 152 cells of complementary capacity
- Communications module
- Sports-cultural module
- Solar thermal and photovoltaic installation



- Infrastructures
- Defense and security
- Renewable energy
- Spain
- Design



WIND FARMS



Deva and Tea wind farms in Pontevedra and Ourense



- **Investment:**
34 M€
- **Capacity:**
37 wind turbines

- Includes:**
- Transformation centers
 - Underground medium voltage lines for connection to the transformer station
 - Electrical substation
 - Control building

- Infrastructures
- Renewable energy
- Spain
- Supervision



La Esperanza wind farm

Guadalajara



- **Investment:**
30 M€
- **Capacity:**
15 wind turbines

- Includes:**
- G90 2mW power wind turbines
 - Underground medium voltage lines for connection to the transformer station
 - Electrical substation
 - Control building

- Infrastructures
- Renewable energy
- Spain
- Supervision



Fonteavia-Bidueiros wind farm in A Cañiza (Pontevedra)



- **Investment:**
25.5 M€
- **Capacity:**
65 wind turbines

- Includes:**
- Turbines 55/1300
 - Underground medium voltage lines for connection to the transformer station
 - Electrical substation
 - Control building

- Infrastructures
- Renewable energy
- Spain
- Supervision





COGENERATION



Biomethanization plant and sealing of Pinto landfill (Madrid)



- **Investment:**
60 M€
- **Capacity of treatment :**
140,000 tons/year
- Includes:**
 - Waste treatment
 - Energy use of the organic fraction by biomethanization
 - Composting
 - Sealing of 40 ha landfill with polyethylene layers

- Infrastructures
- Cogeneration
- Spain
- Supervision



Organic waste biomethanization plant Las Dehesas (Madrid)



▪ **Investment:**
30 M€

▪ **Capacity of treatment:**
260,000 tons/year

Includes:

- Waste treatment
- Energy use through biomethanization with digesters for 193,000 tons/year
- Reverse osmosis treatment plant of 243 m³/day of leachates



- Infrastructures
- Cogeneration
- Spain
- Supervision



Thermal drying and composting plant for Loeches sludge (Madrid)



- **Investment:**
40 M€
- **Capacity of treatment:**
150,000 tons/year
- Includes:**
 - Thermal drying
 - Composting
 - 3 6MW electric generators using natural gas for drying and electricity production for commercialization

- Infrastructures
- Cogeneration
- Spain
- Supervision





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