Shielding Solutions for Hospital Rooms
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We believe in customer satisfaction thus we practice the following in our company.

- Solutions with customer orientation
- Effective engineering solutions
- Customization
- Continues improvement and adaptability

**Mission**
To be an Integral Solution in the field of Radiation Protection and Shielding, for the different needs that arise in carrying out personal and professional activities.

**View**
To be a leading company in the field of Radiation Shielding, by providing an Excellent Quality Service to our Customers wherever we operate.

**Origin**
Radytec Innovación is the business result of the union of a multidisciplinary group of people, who brings together the skills needed to solve any shielding problem that may arise.

**Geographic Coverage**
Radiology and Radiotherapy have an increasing clinical application in the modern medical field. This requires specially adapted rooms and control systems. RADYTEC provides customized solutions to every radiation protection problem.
**HIGH DENSITY CONCRETE**

RADYTEC supplies and installs high density aggregate or concrete for radiotherapy bunkers. Manufacture and laying high density concrete for the construction of barriers to protect against radiation in radiotherapy bunkers.

**SHIELD BARRIERS**

High density concrete bricks designed for various radiation shielding levels. It uses a special tongue and groove that ensures no radiation leakage.

Lead bricks designed for various radiation shielding levels. It uses a special tongue and groove that ensures no radiation leakage.

Lead lining for radiology rooms.

**REMOVE MOTORISED SECURITY DOORS**

Motorized Radiation Shielding Doors.
Motorized Hinged or Sliding Radiation Shielding Doors.
These doors are designed to meet the stringent radiation and safety standards. They provide easy use and radiation protection to the hospital staff.
**FITTINGS FOR MASKS AND APPLICATORS**

Custom made fittings to meet the needs of the different elements used in radiotherapy, while perfectly fitting in with the characteristics and dimensions of each room.

**MANNUAL LEAD DOORS**

Lead doors for radiodiagnosis and nuclear medicine.

**LEAD GLASS**

Lead glass for radiodiagnosis and nuclear medicine.

**WASTE STORAGE**

Delay Tank System for the safe discharge of liquid radioactive waste generated by nuclear medicine patients.

Lead Shielded Containers for storage and transport of radioactive material.

**ACCESSORIES**

Auxiliary elements for different radiotherapy equipment facilities including:

- Electrical Panels
- Equipment Cooling Systems
- Micro switches
- Etc.
MEDICAL PHYSICS CALCULATION
Equipment parameters and local regulation will determine the final shielding value that will be calculated by our resident medical physicist.

PROJECT MANAGEMENT
Department design and patient flow in compliance to local regulation and international standards.

PROJECT IMPLEMENTATION
Implementing new projects or renovations of existing facilities.

TURNKEY PROJECTS IN RADIOTHERAPY

TURNKEY PROJECTS IN RADIODIAGNOSIS
KEY BENEFITS OF TURNKEY SERVICE

1 - Optimisation of Design and Implementation
The combination of our experience in radiation protection, design and construction of radiotherapy and radiodiagnosis bunkers, gives us an overview of the different phases of the project, which allows the optimisation of the final result.

2 - Fixed Price
With our experience and procedures we can guarantee a price to carry out the entire project before it begins.

3 - Shorter deadlines and compliance
Because we manage the entire project, we can work on various fronts at the same time, optimising time.

4 - Compliance with technical specifications of the equipment
With our experience and knowledge of the different equipment, we can ensure that the rooms we undertake meet the needs of each type of equipment.

5 - Functional Design of the Service
With our experience and direct contact with the future users of the service, our designs adapt and meet the needs of patients and medical staff.

6 - Minimum impact on the operation of the service during the work
Both at the conception and in the design of the project as well as during its implementation, we are aware of the aim of minimising the impact of the work on the functioning of the hospital.
We supply and install Faraday cages for Electro Magnetic Force (EMF) shielding.

We have experience in medical and research facilities. In a EMF shielded site the essential infrastructure for the proper functioning of the room require special treatment from EMF shielding. They include:

- Access Doors
- Ventilation inlets and outlets
- Inlets and Outlets of Cabling and Pipes
- Electrical inlets and outlets
- Voice and Data inlets and outlets

For each of these special items, we have a solution that meets both the function for which they are designed and the shielding or screening against EMF.
Turnkey Projects in MRI rooms, including the Faraday cage.

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REFERENCES

IBERIAN PENINSULA - SPAIN
• Hospital de Madrid San Chinarro (Madrid)
• Hospital Fuenlabrada (Madrid)
• IMO San Francisco de Asis (Madrid)
• ICO - H. Duran I Reynals (Barcelona)
• H. Vall D’Hebrón (Barcelona)
• Clínica Quirón (Barcelona)
• Hospital Sant Pau (Barcelona)
• Hospital Sant Joan De Reus (Barcelona)
• ICO - Hospital German Trias I Pujol (Badalona)
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