



## NUIG Science Research Building

The works comprise the design and construction of 8,212m<sup>2</sup> of bio-technology science research facilities in a stand-alone 4 storey's (including penthouse plant) building on the north of the NUI Galway campus.

The facilities consist of 6 x 1000m<sup>2</sup> laboratory modules with support, including a Bio-Resources Unit, meeting rooms, laboratories, write up space, offices, canteen, reception, seminar room, mechanical and electrical installations and associated plant rooms and spaces, including basement plant containing water tank rooms, the design and construction of site preparation and infrastructure works, the diversions of services, the provision of services and service connections, parking areas, paths and landscaping, loading bays, external plant and waste rooms.

The building's structural frame (all columns & floor slabs) is provided by a full precast concrete solution at ground, first, second and roof slab level over a partial basement level that is formed in situ concrete. The Staircores and lift shafts are formed in double skin precast wall panels to full height and floor plates are topped by a structural screed.

All five roof top plant rooms are formed in structural steel frame with insulated wall and roof panels. The main plant area is screened off by a 4.5m high structural steel framed screen clad in profiled sheeting.

The project involved complex services and specialist equipment interface and required specialist commissioning works to be undertaken.

We were responsible for the design and construction of Specialist rooms where Radiation and MRI Equipment would be housed and operated in this building. This included three Specialist Rooms as follows:

- Gamma Source Room (Concrete Bunker) located at basement level.
- MNR & Anteroom that was constructed at second floor level.
- The BRU Theatre room at second floor level where SRays were generated during procedures.

All works to tie into to the existing services were carried out under Method Statements which had been fully reviewed by NUIG before work proceeded.

**Client**  
NUI Galway

**Architect**  
Taylor Architects

**Project**  
NUIG Science Research Building

**Value**  
€18 million

