



Client Name :
University of Limerick

Architect:
RKD Architects

Quantity Surveyor:
O'Reilly Hyland & Tierney

Duration:
March 2010 - June 2011

Contract Value:
4.2m



LERO - Tierney Building

Description

A 5-storey building with a total floor area of approx. 3,775 m² to accommodate offices, lecture and research laboratory facilities, and associated siteworks. The RC framed building is located on a site within the University Campus, adjoining a Special area of Conservation, with poor ground conditions and a high water table. It was constructed on piled foundations and plant facilities are located on the top level. The diversions of existing roads and extensive underground services serving existing buildings and car parking facilities were carried out as part of an enabling works contract prior to the main building contract. This contract also included extensions of existing two car parking facilities creating over 60 additional car parking spaces, as well as associated paths and landscape treatment.

The offices consist of a high spec finish with raised access flooring, high acoustic properties, high spec cabling and electrical properties. The research laboratory furniture consisted of epoxy resin worktop bench's with mobile storage below and high level storage above. Specialist equipment in the labs included Fume cupboards, Bio safety cabinets, Instrument Fridges and lighting snorkels. The cold rooms to the Labs were fabricated in a workshop and then fitted on-site.

Sustainable design includes: Use of Low maintenance materials, GGBS Concrete, Permeable paving, natural ventilation, solar roof panels, High external and internal insulation levels, high levels of natural lighting, thermostatic intelligent control heating systems. There are two main features in the design of this building. The class 1 concrete surface finishes throughout the inside of the building with a 50% GGBS content. The electrical containment was cast insitu so no surface conduits will be visible on the finished product leaving a clean bright concrete finish. The building is built in brown wire cut brick with the external feature been a 25m high Circular structure with vertical windows providing the natural light to meeting rooms on each floor. The works were carried out in a live campus, so deliveries and traffic to site had to be co-ordinated with the college, at certain times, to avoid disruption to the working college.



JJ Rhatigan & Company Project Overview