



Project Fact Sheet

St. Kilian's Eurocampus 2008



PROJECT St. Kilian's Eurocampus

Projects St. Kilian's Eurocampus
Value €3,392, 133
Client Lycee Francais D'Irlande
Stage Completed
Completion Date July 2008
Description 16 Classroom School

FACTFILE

ABM Construction were awarded this bespoke project in 2007. Construction began on 3rd September later that year and was successfully handed over in July 2008

PROJECT DETAILS

Eurocampus

This award winning French secondary school was constructed for Lycee Francais D'Irlande to facilitate a 16-classroom school on the existing grounds of St. Kilian's German School, Clonskeagh, Dublin 14. The plan was to create a new sustainable Eurocampus i.e. a school which could gather various nationalities with a view to promoting diversity and dialogue.



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The full scope of the project included 16 no. language classrooms, an extended administration area and a new shared entrance. These were facilitated within a two and three-storey new school wing. The wing was constructed concurrently with the existing fully functioning German school, which was situated adjacent to and connected with the existing 4m high school. This required a careful approach to traffic management and temporary works procedures.

A carefully planned and executed project; there was a particular focus on engineering support in-line with stringent health and safety measures. The design subtly blended the new and existing schools by means of canopies, paths, benches and bicycle stands. The new west facing entrance forecourt and covered canopy created a new shared entrance to the Eurocampus. The grassed academic garden to the rear creates a wind shelter and a naturally lit communal gathering space. Special strategic attention was paid to achieving universal accessibility in conjunction with TGD Part M. This was carried out by ensuring that the external spaces created an accessible social interaction between the two schools.



Image 1 - Showing New & Existing School



Image 2 - Showing rear larch-clad elevation

The main structure of the school is masonry and concrete with a brick façade extending internally into the main stairs foyer, and which connects the ground and first floor entrances. Fairfaced insitu concrete beams and soffits reinforce the datum which is set by the existing school. The front elevation provides floor to ceiling glazing consisting of thermally broken profiles complying with BS1474 with 24mm double glazed units with larch shading screens. The combination of floor to ceiling glazing, clerestory windows in party walls and generous corridor windows extend the natural lighting limits of each classroom beyond their boundaries. The rear façade of the school is constructed using larch cladding which addresses a new external courtyard space.

All civil works were carried out in accordance with The National Roads Authority's guidelines and parameters. Wherever possible, off-site fabrication of the internal components were used such as pre-hung door sets, internal wall partitions, kitchens, cubicles, and heating pipe work runs.

Sustainability

Within the schools site curtilage there is provision for high quality external spaces which encourages social interaction and subtly amalgamates the new and existing school. The surplus provision of bicycle stands relieves the need for car journeys and encourages a more sustainable mode of transport to the schools suburban location. Internal learning and teaching spaces encourage mixed use between staff and children, which promotes interaction and dialogue.

The school specification requested that the building was constructed to facilitate a passive and sustainable environment which entailed light sensitive light fittings, excellent natural daylight, natural ventilation and air infiltration. Lux levels were calculated so that classrooms require only 20% of artificial day lighting during the day. Natural daylight is provided to each classroom and ancillary clerestory windows/corridor screens allow daylight access to neighbouring spaces. The masonry and concrete mass of the structure provides excellent heat retention from both solar gain and heat generation.

Natural cross-ventilation of air to classrooms is provided by drawing fresh air from the window opens to ventilation stacks in the centre of the plan and then extinguishing stale air through the birch ply ventilation ducts at roof level.



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ABM successfully completed and handed over this school. Since then, it has received an Architectural Association of Ireland Special Mention Award 2009 and an RIAI Irish Architecture Award in the “Best Educational Building” category. St. Killians was also shortlisted for the RIAI “Public Choice Award”.



Images 3, 4 & 5 - Showing Larch screens, natural day lighting & floor to ceiling glazing

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