



PROJECT:
Dublin University Campus, Grangegorman, Ireland

CLIENT:
Dublin Institute of Technology

ARCHITECT:
Moore Rubel Yudell

BM SERVICES:
Sustainable Masterplanners

VALUE:
Classified

DESIGN BRIEF

The Dublin Institute of Technologies goal is to create a world-class higher education campus that serves society by supporting the economic, social and cultural life of citizens and reflects the evolving character of education.

The campus will be student-centered and resourced to meet the multiple needs of the Institute's current student population of 20,500 students with the potential to accommodate a further 1,000 full time students when completed, and a further potential increase of 30% in the decade ahead.

DESIGN PRINCIPLES

There are three primary design principles that govern the organisation and character of the open spaces and buildings for the Grangegorman Urban Quarter: Connectivity, Collegiality and Cohesiveness.

Connectivity

Both physical and visual connections are encouraged on the site to facilitate movement across the Quarter as well as to foster a sense of district unity. A contiguous network of interconnecting open spaces, including plazas, quadrangles, gardens and interconnecting passageways, serves to physically link buildings throughout the Quarter. This predominantly pedestrian landscape serves as an alternative to pavement circulation along vehicular streets and offers visual relief to the consistency of the surrounding street pattern. Connectivity is also achieved by establishing a matrix of sightlines that visually link district landmarks and focal points throughout the Quarter.

Collegiality

The Masterplan supports a hierarchy of communal spaces that encourage collective interaction among users. These spaces are organised around specific programme clusters, orienting individuals in classrooms, laboratories, residences, offices and other facilities to larger communities within the respective Quarter neighborhoods. These communal spaces, in turn, are visually and physically connected to larger, more collective district spaces.

Cohesiveness

Cohesiveness is aimed at promoting visual consistency among architecture and landscapes within the masterplanner's control over the course of development of the Grangegorman Urban Quarter. Collectively, adjacent buildings maintain similarity by abiding to a prescribed massing and basic vertical organisation. All buildings conform to a range of specified materials and colours as well as a particular method of surface articulation. The district landscape also maintains cohesiveness through the consistent use of specific planting types, paving materials and lighting. Cohesiveness among buildings and open spaces enhances the legibility and identity of the entire Urban Quarter.

Six themes for the city of dublin

The Dublin City Council has identified six themes which are considered important to the sustainable growth and development of the city. The Masterplan sets out a new vision for the Grangegorman site based on these six themes.

1) Economic Vision

The Masterplan develops Grangegorman as a vital economic resource and engine with a network of thriving spatial and sectoral clusters, a focus for educational talent and creative assets. F

2) Social Vision

The Masterplan design reaches out to link the site with the immediate community, as well as Dublin's greater urban context, to create an Urban Quarter that is inviting and connected to the local and larger community.

3) Cultural vision

A rich and diverse provision for cultural facilities is offered in the Grangegorman Urban Quarter, including

performing art centres, exhibition spaces and theatres, to encourage activities throughout the day and evening, and promote awareness of cultural heritage.

4) Urban Form and Spatial Vision

The Masterplan creates a connected and legible urban quarter based on vibrant public spaces and active streets that provide a strong sense of identity and place.

5) Movement Vision

The Masterplan takes full advantage of its proximity to Dublin City Centre, where transport networks already provide high levels of service.

6) Sustainable Vision

The Masterplan for the Grangegorman Urban Quarter seeks to create an environmentally sustainable Community within its neighbourhood and Dublin, as well as a sustainable demonstration project for the world. Sustainable strategies focus on three components that underpin the success of the regeneration of Grangegorman: social well being, economic viability,

