



BENAMORE HOUSING DEVELOPMENT

Sustainable Housing Development for Dunlaoghaire Rathdown Co Co

Client: Dunlaoire Rathdown County Council

SUMMARY:

Value: €8 million

Architect: DLRCC Architects / OBK Architects

Status: Complete

Services Provided:

Planning Submissions

Detailed Design

Tender Documents

Construction Drawings

A Nicholas O'Dwyer Ltd were appointed as civil / structural engineers for all aspects of the design of this project from planning through to completion. The project is a landmark development in social housing as it promotes sustainable design with low energy usage characteristics and is the first of it's kind for local authority funded projects. The project's **Sustainability Features** are as follows:

Passive Measures

- Improved Insulation to walls, floors and roof
- Improved window specification
- Air-tightness / Thermal Bridging
- Natural Ventilation
- Sustainable Urban Drainage (SUDs)

Active Measures

- District heating
- Solar harnessing
- Exhaust air heat recovery
- Control systems
- Lighting specifications
- Rainwater harvesting



Nicholas O'Dwyer
CONSULTING ENGINEERS