



## 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