

Graham HQ

NEW-BUILD | non-residential

Hilltown •



Project Address:	Hilltown, Co. Down
Category:	New Build Non Residential
Entrant:	BDP, Chris Croly
Company founded in:	1961
Company Address:	Blackhall Green, Dublin 7
Company Contacts:	Phone: +353(0)1 474 0600 Fax: +353(0)1 672 7536 Email: chris.croly@bdp.com Web: www.bdp.com
Architects name:	BDP
Specialities:	Low Energy Passive Ventilation Building Design
Building Type:	Concrete frame, Commercial Office Building
Size m²:	3200m²
No of Floors:	3
No of Units:	1
Construction date:	2008



Project Overview

GRAHAM commissioned BDP to design a sustainable new headquarters that demonstrates their commitment to sustainable construction for all their clients.

The requirement was for a building that demonstrated that sustainable construction could be achieved within normal cost limits and that naturally ventilated offices could offer internal conditions that were superior to those found in air conditioned offices.

Challenges

Naturally ventilated offices are often known for producing buildings that have a poor internal environment or for being complex and difficult for the users to understand. The challenge was to produce a new generation of natural ventilated office that uses a hybrid of user and automated control to produce a level of comfort that is greater than that found in any existing office building.

Performance

Energy Usage:	162 kWh/m².yr
EPC:	A (18)
Air tightness:	4.98 m³/h.m²

Strategy

As a workplace office building it was important to offer a healthy environment. The levels of comfort offered by the advanced hybrid natural ventilation system make the building an essential case study for anyone who doubts the ability of naturally ventilated office buildings to produce a quality internal environment in Ireland. The use of the building not only as a functional office, but as a demonstration of the potential of sustainable office design was one of the key goals set by GRAHAM when procuring the building.

