



PROJECT:

ProLogis Howbury Park

CLIENT:

ProLogis

ARCHITECTS:

Michael Sparks Associates

BM SERVICES:

Sustainability Consultants and Concept Structural Engineers

AREA:

210,000m²

DATE OF COMPLETION:

2010

DESIGN BRIEF

Battle McCarthy have supported ProLogis through an extensive planning appeal to gain approval of this innovative new distribution centre.

Howbury Park includes the following attributes:

- Innovative tensile structure that reduces embodied carbon by 20%
- Daylit building
- Ultra low energy design expected to achieve 50% reduction in energy consumption against building regulations
- Green roof

London UK Office

T: +44 (0)20 7440 8282

F: +44 (0)20 7440 8292

E: admin@battlemccarthy.com

www.battlemccarthy.com

DESIGN INITIATIVES/ACTIONS UNDERTAKEN

The warehouses will be designed to be highly efficient in comparison with a typical UK best practice warehouse as described in the Renewable Energy Toolkit. A best practice heated warehouse development in the UK of this size, on average emits 7,426tCO₂/y. The Howbury warehouses will save 64% of these emissions by being frost protected only, 3% through improved air tightness and insulation, and 6% through improved lighting efficiency.

Energy modelling has already shown the average energy demand for the Howbury Park development will be reduced by 85%, through a combination of energy efficient measures and reduced load.

Prologis are committed to providing a further 10% of this load via renewable energy systems.

A combination of ground source heat pumps (GSHP) and Photovoltaic (PV) cells have been proposed for this site, discarding the idea of installing wind turbines, which would prove a threat to the numerous protected bird species that live in the area.

The roofs for all units have been designed facing South, to allow for the future mounting of PVs and Solar Thermal units.

BREEAM Pre-Assessment - Very Good



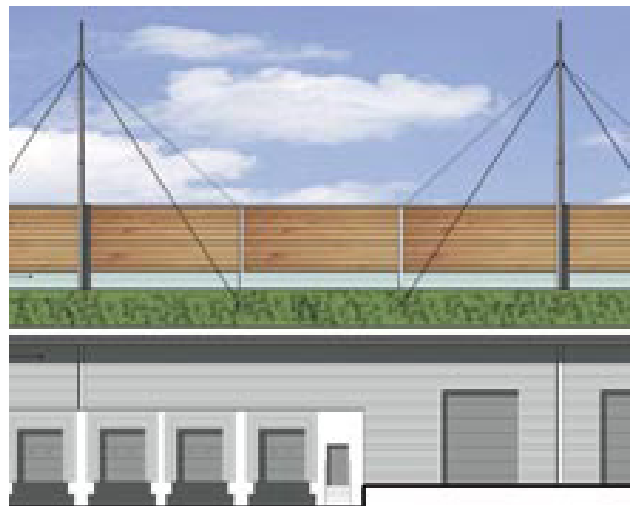
ProLogis Howbury



ProLogis Howbury, Ground Level



West Elevation



East Elevation