



## CASE STUDY:

RSPB Rainham Marshes Education Centre

### Rainwater harvesting system

- Innovative new building of unique design
- 6000-litres storage
- custom-built break tank
- WFF150 vortex filter



Location: Purfleet, Essex  
 Client: RSPB  
 Architects: Van Heyningen and Haward Architects

Requirement: water for WC flushing

#### Design data

Average annual rainfall: 550 mm  
 Available roof area: 400 m<sup>2</sup>  
 Estimated daily usage: 450 litres

Estimated annual rainwater collection: 125,000 litres

Capital cost: £3500  
 Completion: Autumn 2006

An imaginatively designed building of concrete and timber cladding, which incorporates several ecological features including ground source heat extraction, solar thermal water heating, sheeps wool insulation and rainwater harvested from the roof to flush toilets.

### Rainharvesting Systems Ltd.

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