

Earlham Police Station - Case Study



"These new buildings are specially designed for modern policing and replace outdated premises which were no longer fit for purpose for officers, staff and visiting members of the public".

Phil Gormley – Chief Constable Norfolk Police Authority

Project Sheet

Lead Delivery Architect
Michael Spicer at NPS

Project Management
NPS

Structural Engineer
NPS

Principal Constructor
Blackburns Construction
R. G. Carter Group

Client
Norfolk Police Authority

Construction Cost
£1.8 million

Construction Programme
May 2010 – June 2011



West Norwich (ODB) Operational Deployment Base in Earlham provides enhanced facilities for a wider range of police services on a single site.

The new building functions as a communications centre with a new public lobby and meeting room providing 26 car parking spaces, 16 secure cycle and four motorcycle parking spaces plus two spaces for ambulance parking.

Ground remediation was required across the site to allow construction of the steel frame, in-situ cast ground floor slab and first-floor slab on metal deck.

Roof finishes include slate, aluminium tray roofing and lead sheeting, whilst external wall finishes are of a mixture of brickwork, polished-face blockwork, rain screen and aluminium cladding, curtain walling and timber weatherboarding.

- Bomb blast enhanced ground floor windows
- Large platform lift
- Cantilevered glass balustrades

The design incorporates extensive energy efficiency measures:

- Low-E double glazed windows
- Photovoltaic roof panels

- Low energy lighting is used throughout
- Energy management systems
- Natural gas, high efficiency, condensing boilers serving both weather compensated convective systems and air systems
- Air handling uses return air to pre-heat incoming fresh air
- Natural ventilation is utilised for main office areas, toilets and control room
- A single, direct fired hot water heater serves all tap outlets



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The Studio
82 St. Leonards Road
Norwich
NR1 4JF

T: 01603 610200
E: enquiries@readspicer.com
www.readspicer.com

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