

AYKLEY HEADS POLICE HQ, DURHAM (UK)

[view](#)

Application range

Office

Type

Reference

Architect: Ryder Architecture
Main Contractor: Kier Construction
Project Manager: Turner and Townsend
M&E Design: Desco
Images: Lawrenson and Grebby
Photography

A fully integrated working environment of nearly 6,000sqm bringing together some 400 people including police officers, administrative support, response and communications centre and a criminal justice unit arranged over three floors.

Future flexibility to accommodate changes in police strategy was fundamental to the design and manifests itself in a modular structure, planning grid and service integration.

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TROX UK designed and manufactured MSCBs based around the active DID312 chilled beam. The TROX DID312 MSCB comprises a primary air induction engine absorbing heat energy via twin vertical heat exchanger coils housed in an architectural casing.

TROX chilled beams have been specifically developed to achieve high levels of cooling whilst limiting the volume of fresh air required. The conditioned air is discharged through linear slots running the length of the beam. TROX chilled beams offer unparalleled levels of induction (water cooling/air cooling) to maximise the energy efficiency of the system.

The beam is constructed from architectural grade aluminium extruded profiles which have been designed to provide integration points for luminaires, sensors and other services. The front diffuser is made of a linear bar grilled running the length of the chilled beam.

Services incorporated into the MSCBs for the Aykley Heads project include:

- Luminaires
- PIR sensors

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Please [click here](#) to download this project reference.