

**Kingfisher
Louvres Systems**
*Magistrates Courts,
Loughborough*



Kingfisher Louvre Systems were specified on a project for Loughborough magistrates court.

The three-storey building achieved a BREEAM rating of 'excellent', and has incorporated a number of energy saving technologies.

During the initial planning, one of the challenges was to provide design and build contractor Willmott Dixon with a system to simultaneously ensure the plant building's plant services ran efficiently by being properly ventilated whilst protected from the elements, and enhance the building aesthetics.



Willmott Dixon project surveyor Ian Bromley explained, "We needed to provide secure and effective ventilation for the plant room, but were also conscious that the Court is a prominent public building, so aesthetics needed to be incorporated into the equation. We therefore included more louvres than were actually needed, to balance the architectural design."

The plant room provides ventilation, heat, light and power for all areas of the new Court- custody area with cells, open plan offices, four court rooms and assembly hall- designed to provide separate facilities for all court users, providing them with a safe environment.



The Kingfisher KW100Z louvres combine low airflow resistance with maximum weather exclusion. Independent testing by BSRIA showed the single bank louvres performed better than most double-bank systems, at less cost and smaller depth of opening. The aluminium louvres provide a free ventilation area of 61%, helping ensure plant does not overheat thereby optimising its energy efficiency, whilst protecting the plant from wind, driving rain, snow and hail.

The single bank louvres have been incorporated on the new £15.5m Court's south west and south east elevations.



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Kingfisher Louvre Systems Limited maintains a policy of continuous development and reserves the right to amend product specifications without notice.



A member of the Building Product Design Group

