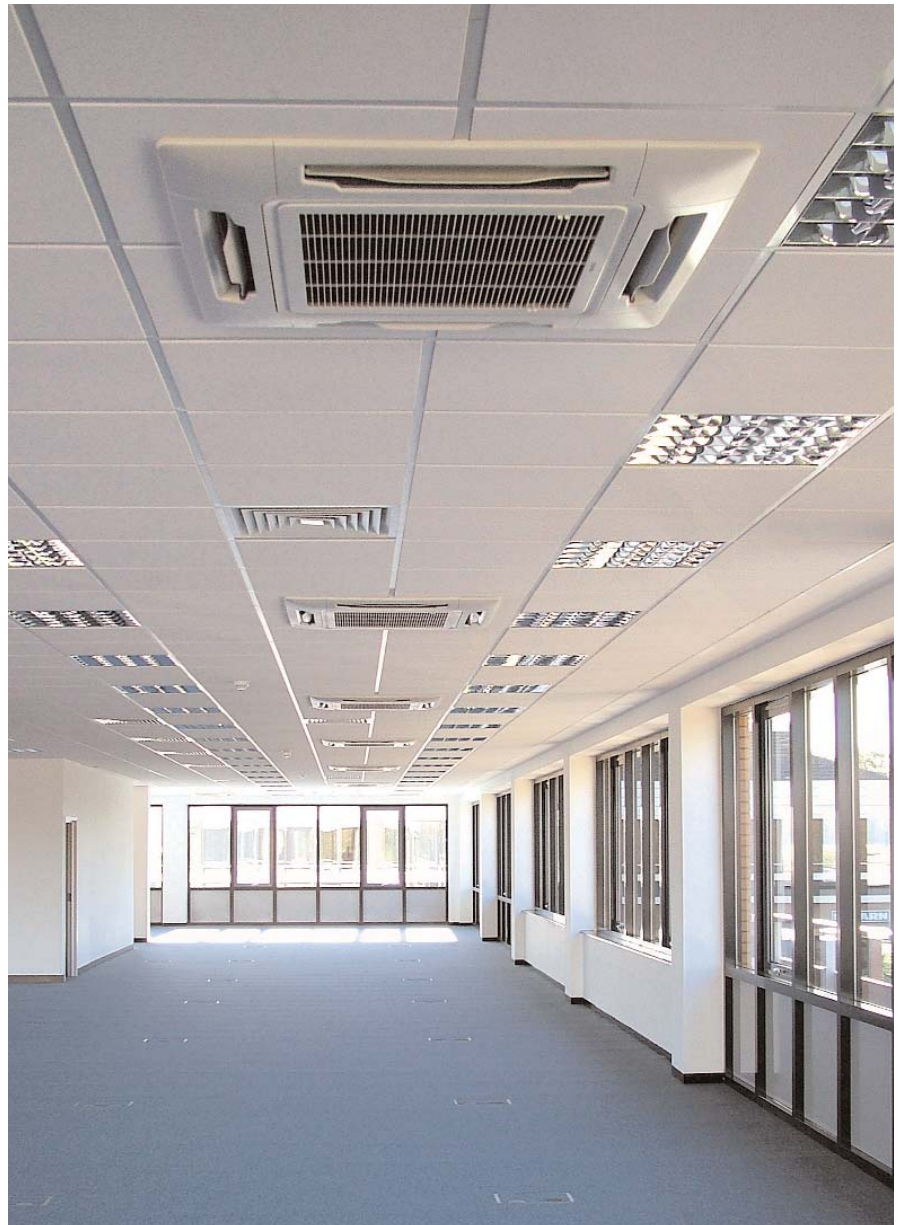


Toshiba Solutions

Office refurbishment – heating costs cut

Equipment:

Toshiba R410A VRF SHRM
Cassettes
Interactive Intelligence
control



The systems offer a great deal of internal flexibility

Application details

Heating costs have been cut and the latest standards in modern air conditioned space have been created by the installation of four large Toshiba VRF systems at Leat House, a large 1300 sq m office building in a business park on the outskirts of Newbury's industrial area.

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Solution

The refurbished space was not previously air conditioned, having been designed in the late 'eighties with a perimeter wet heating system. This inefficient heating solution was removed by the contractor, and a comprehensive environmental control system was designed to cope with the high solar gain in this substantially glazed building.

The design uses the Toshiba Super Heat Recovery Modules to make up four air conditioning systems, with a total capacity of 125 kW, able to supply both heating and cooling on demand.

The building is zoned for potential letting to four separate tenants. With four separate central control systems also installed each tenant will be able to manage their own energy budgets and environmental regimes.

A heat recovery air ventilation system has also been installed by the contractor using the ceiling space as a return air plenum on the ground floor and on the first floor the heat laden air is ducted to the ventilation system where it is used to temper incoming air, enabling further energy savings.

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Toshiba systems increasingly suit larger and larger buildings

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