



Prestigious glass façade adorns entrance to Tesco's new store in Buckinghamshire

Two striking looking structural glass entrances have been designed by Malishev Wilson Engineers (MWE) as part of the newly built and recently opened Tesco store at Gerrard's Cross in Buckinghamshire.

The main entrance (*top picture*) measures 9.3 m long, 5.5 m high and 5.4 m deep, comprising low iron content structural glass fins and beams supporting the large glass walls.

MWE were involved from the early concept stages of the design. Together with the architects, we were therefore able to produce the minimalist design desired by the client.

The store opened on time, before Christmas, to the delight of the local community.

*Architects: The Tytherleigh Consultancy and Biscoe + Stanton Architects.
Specialist glass sub-contractor: F.A.Firman.*



***A Happy New Year
to all our clients***

£1m luxury home extension finished in style



A major home extension, for which MWE were appointed consulting engineers for the major excavation and foundation work, has been successfully completed, in a fashionable area of Teddington, South West London.

The £1 million project involved building a new ground floor living room with a basement beneath containing a gymnasium, entertainments suite and a store room.

The extension has a total floor area of 150 sq m.

Architects: McDaniel Woolf. Photos: Mel Yates.





Glazed garden room is completed on time and now in use at Grade II* listed country house



The new fully glazed garden room situated at the back of this charming Grade II* listed country house in Gloucestershire is also now finished and in use for the happy client.

A total of 180 sq m of high performance, triple glazed glass has been used for the room which has a floor area of 140 sq m. The opening glass facade units weigh up to two tonnes each.

Engineering consultants for the glazing installations, MWE also carried out a full energy assessment of the house, including the garden room.

Architects: Robert Grace and studio-RAN. Glazing specialist: F.A.Firman. Photos: Mel Yates.



Latest international appointments...



Our Paris-based consultancy, Malishev Wilson Ingénierie (MWI), has been commissioned as structural engineers for the following building projects in France:

Music School in Louviers

We are designing the new glass façade, 18 m long by 9 m high, in the extension to an existing music school in Louviers, Northern France (*above left*). The structure consists of stainless steel vertical fins at 1.8 m centres, supporting double glazed units. The entire facade is hung from the existing steel structure at roof level and restrained at floor level. The façade also supports double glazed roof panels and a steel mesh panel walkway at low level.

Office building in Weleda

An extension to an existing office building involves us designing three new glass facades, the largest of which is about 50 m long by 12.5 m high. The structure consists of vertical steel RHS mullions at 1.4 m centres, supporting both double glazed units and rain screen glass cladding.

Colt International

We have completed an engineering study of the ability of floor slabs at their proposed data centre, in an existing building outside Paris, to resist heavy loads.

Maison Dreyfuss

Our commission involves the design of a reinforced concrete basement slab, internal walls and steelwork superstructure, as well as cladding, for a new build town house (below) amid period dwellings in the 11th arrondissement of Paris.



MWE has also picked up two engineering design commissions in Dubai and Moscow:

Entrance feature in Dubai

The Dubai International Financial Centre, under construction in Dubai, has a main entrance with glazed feature - structurally designed by MWE (*Above right*). It measures 24 m long, 7.5 m wide and 13.3 m tall.



Polycarbonate cladding designs

For a leading manufacturer of polycarbonate materials in Russia, we are designing a range of standard roof and facade cladding systems for industrial and commercial buildings, to be put in production by the end of 2011 at their factory outside Moscow.

A combination of the high strength and light weight of these systems will allow quick and easy installation on site (*See factory example above*). They will add a highly cost effective component to the choice of building materials available for architects to work with.

...progress report.

€9m accommodation building in Paris

Piling work has just begun on site for the foundations to a 200 apartment university accommodation building in Rungis, Paris. MWI are structural engineers for the €9m project.