

## Press Release

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# HOCHTIEF(UK) – The construction of a striking new Station at Stratford

**HOCHTIEF (UK)**  
**Construction**

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### Providing a key element to the 2012 Olympic Games infrastructure

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Tony G & Partners is working along side HOCHTIEF on this design and build scheme which will give Docklands Light Railway longer type platforms suitable for three-car trains. The scheme was used to support London's Olympic transport planning strategy by offering additional passenger capacity and a more frequent service.

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There are four major structural elements to the work. Twin viaducts support the tracks and island platform, which is in turn covered with the station's architectural canopy roof. Two pedestrian bridges create connections into the existing split-level station complex for mainline and underground services. The designs were developed to provide a safe, efficient and accessible environment for all users but also to ensure minimal disruption to existing services and local people.

The steel canopy roof and the bridges are being fabricated in Belgium by subcontractor, Timmers. The platform canopy roof and link bridge are key visual elements of the scheme. The roof grid follows a randomly triangulated pattern in 3D and is supported on elliptical columns inclined at alternating angles along the length of the platform. The link bridge takes the form of a pair of irregular truss girders with eccentric bracing and skew supports. The irregular geometry has made connection details highly complex for both design and fabrication.

Phased construction began last summer on the south platform, scheduled to open in June 2007, with the north platform due for completion in May.

Comments:

Kevin Rowell – Project Manager HOCHTIEF

“The success of this project has been founded on the ability of the whole site team to forge working relationships with and gain the confidence and trust of the third party Rail Authorities”.

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