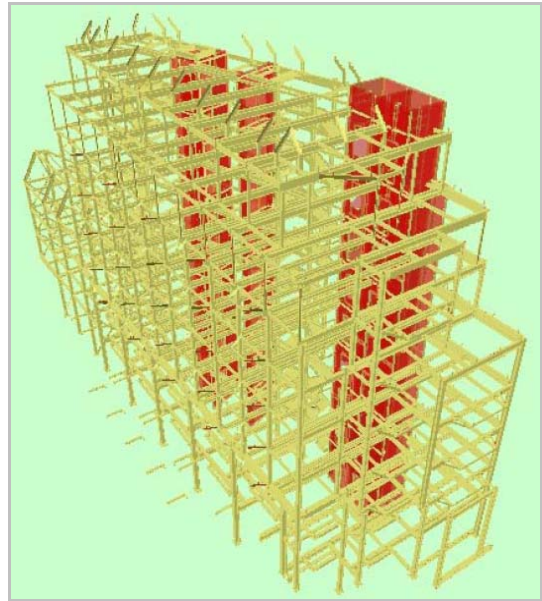


Corus Infrastructure Services provided a Category 3 check for a prestigious development at 49 Park Lane, London.

This was a challenging project due to a very narrow and tight site which required innovative thinking and solutions.

By using Bi-Steel panels and the Corefast system it was possible to use a smaller core in plan in order to maximise the floor space.

If the crane was located on site, due to the space constraints, movement would have been restricted which would have resulted in a delay to the project. The solution to this was to design a specialised 'crane saddle' which was cast to the top of the first core. The tower crane was then able to be lifted into place and bolted onto the saddle, enabling the entire steel frame and remaining Bi-steel structures to be erected without the need for a crane on the ground.



3D model of the structure with the Bi-steel cores highlighted in red

The project was successful due to close co-operation with Corus Bi-Steel who was our client and our sub-contractor Corus Automotive Sector Unit who assisted with the preparation of a Finite Element model of the crane saddle.



A tower crane was bolted to the top of a completed core to lift the remaining steelwork into place

- Bringing together all the different skills and expertise within Corus added value through innovation to this project.
- Substantial reduction in construction time which translated in increased returns due to the high rental value of the development.
- Worked successfully to a tight schedule, as construction on site was due to start only a couple of months after Corus Infrastructure Services got awarded the contract.
- Project featured in New Steel Construction and the Structural Engineer magazines.