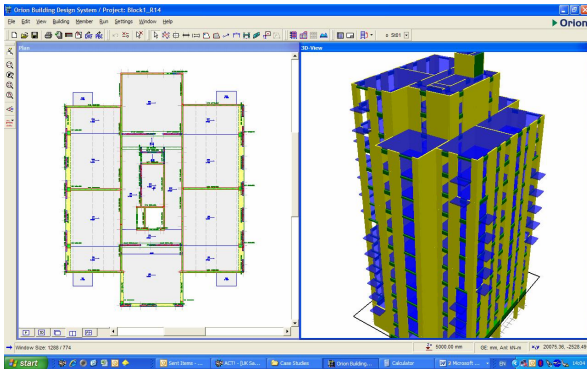




## Orion benefits Taylor Whalley & Spyra



▶ **Countryside Properties, Sportcity Phase 2, Manchester**

### Taylor Whalley & Spyra

[www.tws.uk.com](http://www.tws.uk.com)

In 1949 A W Whalley and J J Spyra established a Partnership to provide Civil and Structural Engineering consultancy services. Since then the Practice has grown steadily to become an organization of considerable repute working from London and regional offices. The Partnership and recently the company have the experience and the resources to provide a complete professional service incorporating all aspects of Civil and Structural Engineering and Project Management, encompassing multi-discipline consultancy. Commissions of all sizes are accepted for new buildings, renovations, feasibility studies, Civil Engineering projects, investigations, reports, surveys and as expert witness. TWS have used CSC's TEDDS for years and found it to be a very useful tool for speeding up calculations on an elemental basis. TWS invested in CSC's Orion and Fastrak Building Designer in 2005 which have provided the facility to now model, analyse, design and produce drawings for entire RC and steel buildings.

"In the 90 days that followed our investment in Orion, I designed five multi storey RC buildings. I would estimate that the design time for each one was reduced by 75% compared to our previous methods. The fact that Orion provides reinforcement drawings as direct exports into AutoCAD means that we can maintain the flexibility that we require in order to produce drawings in accordance with our internal CAD standards. The interface makes modelling very easy, but when I have needed it, I have been really pleased with the quality of technical support provided from the CSC Technical Consultants."

▶ **John Barber – Director**

### Major Orion benefits to Taylor Whalley & Spyra

- ▶ The speed in which a building can be modelled, means that it is very easy at an early stage of a project to produce very accurate load chase downs and material quantity estimations.
- ▶ Orion provides the flexibility we need to be able to design buildings as either flat slab or traditional beam and slab. It is very quick to investigate different options allowing us to make recommendations to our clients.
- ▶ One of the main advantages of containing your analysis, design and drawing information centrally in one model, is that changes can be made quickly and easily.
- ▶ Orion has excellent Finite Element capabilities which make a potentially very complicated subject very easy to understand and reduce the likelihood of making mistakes. At the touch of a button, it is possible to compare FE results with more traditional Yield Line results, which provides a useful cross-check.