



Fastrak Building Designer benefits IKM Consulting Ltd.



▶ Petrochemical Process Plant Design

IKM Consulting Ltd.

www.ikmconsulting.co.uk

IKM Consulting Ltd is an established company of civil, structural, architectural and environmental engineers, involved in many aspects of civil, building and environmental engineering in England and Scotland. Client list includes major organisations in both the public and private sector. Typical projects include building, petrochemical and marine structures; pipeline maintenance; blast proof buildings, firewater drainage design; roads/bridges; explosive demolition; environmental assessments; pre-acquisition surveys; contaminated land investigation; risk and building assessments.

Ian Maclachlan, Managing Director, has a proven record of success in all aspects of these projects, for a range of industrial and commercial clients.

Computer systems are employed within the Practice. The latest versions of software are utilised from industry standard systems. IKM runs AutoCAD™, CSC Fastrak and TEDDS®.

"It's early days, but our recent investment in CSC's Fastrak Building Designer Suite is already proving a worthwhile addition. The flexibility in geometry input means on one hand we can tackle traditional steel framed buildings, and on the other hand the potentially irregular shapes of process plant support steelwork. We get analysis, design and drawings all from one package. It's easy to use and already earmarked for our next steel design project. The Fastrak Building Designer is an ideal addition to the TEDDS® Calculation Pad and Fastrak Portal design software we already have from CSC".

▶ Mike Horsburgh – C & S Engineering Manager

Major Fastrak Building Designer benefits to IKM

- ▶ Complete steel frame design in accordance with BS 5950, but with the ability to incorporate timber and concrete members in the same single physical model.
- ▶ Full sway stability checks, including automatic calculation of notional horizontal forces, otherwise laboriously worked out by hand when using less dedicated general analysis packages.
- ▶ Full comprehensive range of beam and column options, including cellular composite design with Westok and Fabsec sections.
- ▶ Save time with automatic 2D design drawings of plans, elevations and sections that include reactions, floor slab reinforcement requirements, span direction etc, automatically layered on AutoCAD™ drawings.
- ▶ Competitive designs in significantly less time. No other solution delivers the speed, accuracy, scope and economy of design that Fastrak is able to deliver.