

McClintock & Skinner success story

McClintock & Skinner is a civil consultancy and mechanical engineering project management firm which caters to their wide range of client requirements in packaging infrastructure and logistical transport systems for the exporting of commodities.

Civil Engineer, Tony Fitzroy's responsibilities include civil design and dynamic earthworks calculations for clients for railway transport lines, harbor facilities, conveyor systems and the stacking of raw materials such as manganese, coal and iron ore.

When Tony joined the company four months ago, McClintock & Skinner purchased Autodesk Civil 3D as a quick, flexible package that would deliver accurate designs and calculations. This flexibility has addressed a broad range of the company's project types, including transportation, land development, and environmental requirements, at the same time supporting the technical needs of the project team from engineering, design, drafting and surveying requirements.

Tony completed his Civil 3D fundamentals training at Cadplan's Autodesk Authorised Training Centre and without hesitation, immediately began work on a successful, new, pilot project. Says Tony: I am currently working well on Civil 3D, but at the time I did find it a learning curve, and there was a short period of integration required. I continue to keep teaching myself and my background knowledge of AutoCAD has been useful – but Civil 3D is an easy package to learn. BIM has certainly helped me to evaluate more what-if scenarios earlier in the design process and get the transportation, land development, and environmental projects done faster and more efficiently."

Tony was required to upgrade to the minimum hardware requirements and currently is receiving support from Cadplan's Civil 3D applications engineer Frank Glatzer on how to import large GIS information files, without running out of memory.

"The biggest advantage of AutoCAD Civil 3D for me has been how it intelligently connects design and documentation – I am able to deliver higher quality designs and construction documentation within a dynamic engineering model that clearly communicates the design intent to the client," says Tony. "And always the first question from the client following presentation is 'how much will it cost' – with Civil 3D I am able to



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deliver the answer immediately. This is very important to us especially with the nature of work we do on feasibility and pre-feasibility projects. And being able to deliver this type of fast, accurate information wins you the next job.”

“Cadplan has been very helpful to me throughout the process. I am currently receiving support on how to get rid of lines on the design after I have plotted the cross sections, but it has been a very exciting process for me all the way.”

McClintock & Skinner

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