

Overview of Discipline Erector

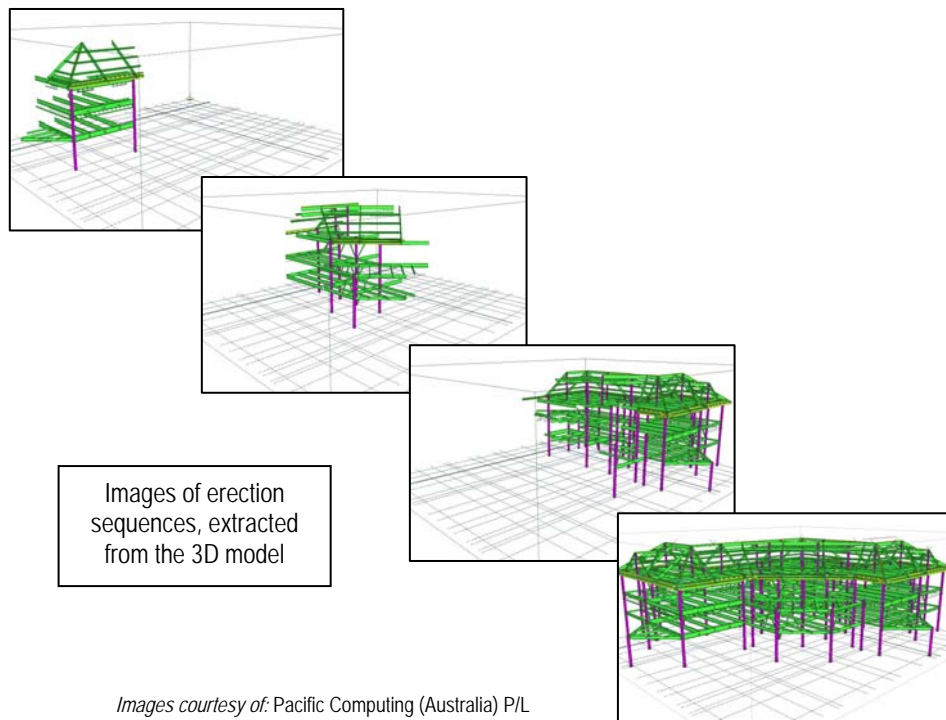
Steel erectors install and fix together the prefabricated steel members and other elements that make up the framework of buildings and structures. Steel fabricating companies usually have or subcontract their own dedicated team who take delivery of the steel on site and are responsible for erecting it.

The steel erector's main duties include:

- planning the order to fit the steelwork together
- lifting and guiding components into position
- lining up and levelling steelwork before securing it in place
- placing of metal decking and fixing safety barriers

The utilization of the project's 3D model, along with specific software, allows them to simulate the erection process and by having this ability they can establish which resources are critical to the project's duration.

This process can include the simulation of the planning, controlling and analyzing of specific factors and tasks, along with the location of cranes, access routes, storage areas and erection sequences.



By utilizing the project 3D model they can also elect to extract colour coded images of what's ready to ship, what's on its way, what's on site and what's erected. It also gives them the ability to detect any potential problems before they occur.

Questions and/or conflicts can be resolved quickly and easily by using the 3D model as a source of communication. It can also serve as a means of recording the progress of erection and materials received.