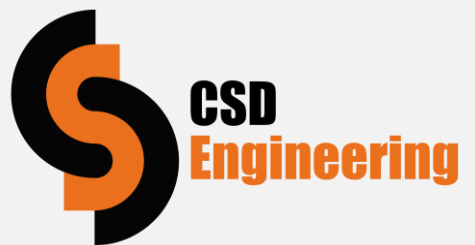




Engineering drafting
for the future
of project efficiency



CSD Engineering is the technical drafting unit of CSD Group Australia Pty Ltd (CSD Group). CSD Engineering evaluates the processes in construction projects and offers solutions that will ensure targets are met within a dramatically reduced schedule and budget.

Established in 2013, CSD Group has worked on projects in Australia, Hong Kong and Papua New Guinea. It offers a suite of services for construction projects, from pre-construction design works to on-site solutions. CSD Group has four units: CSD BIM, CSD Drafting, CSD Engineering and CSD Site.

SERVICES

Early works engineering drafting

Utilising our Tekla Structures software, we can 3D model, connect and create final engineering drawings for sign off from one of our partner engineers or your own in-house engineers. Benefits of this service include:

- Reduce engineering costs by creating a 3D model for engineer review with minimal input from the engineer
- Correct any issues and increase project efficiency during the 3D review stages
- Create the engineer drawings from the 3D model that are ready for sign off
- Reduce shop detailing costs as the engineers' model is ready to produce shop fabrication drawings at sign off stage.



Early works engineering drafting



Full engineering office integration

Full engineering office integration

Take further advantage of our services by using our off-site solutions to integrate our Engineer drafting team directly into your office to work seamlessly with your lead engineers. This will help:

- Reduce RFIs to zero
- Solve connections and clashes in real time
- Reduce costs of producing in-house engineers' drawings
- Prevent process duplications
- Reduce schedule time
- Increase your in-house capacity.



Case study: Design with modular building

CSD Group was engaged by Intelligent Building Systems International (IBSI) to assist in the design of the main chassis for a student accommodation project in Charles Sturt University, Port Macquarie, New South Wales.

Working with the project engineer, we assisted by producing the 3D models for review by all parties. With these 3D models, we attended workshop meetings to improve their design and erection methodology to ensure the best

solution for production and site. Upon completing the updates to the designed model, we commenced the 2D engineering drawings for the project engineer to certify and sign off.

This method allowed us to instantly produce the workshop drawings for production straight from the engineering model upon sign off, which completely bypassed the shop detailing allowance for the project schedule.





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