

A detailed technical drawing of a mechanical or industrial system, possibly a piping or structural layout, is shown in the background. A silver pen is positioned over the drawing, pointing towards the right. The drawing consists of various lines, circles, and rectangular shapes representing components and their connections.

engenium
smart project delivery

Structural Project Efficiency

Engenium offers the provision of a combined Engineering Design and Detail Drafting package for commercial and industrial construction projects. This approach reduces the costs by shortening the schedule and mitigating risks.

Our early involvement in your project will enable all stakeholders to be actively involved in the design process. Using cutting-edge CAD software we enable our clients to visualise their project as it develops.

Design and Detail Drafting

- Civil, Structural, Process
- Material Handling, Electrical and Automation
- 3D (B.I.M) Modelling and Design
- 3D Model Clash Detection
- 3D Animation and Presentation Drafting
- Multiple CAD capability including; AutoCAD, Tekla, ProSteel and Solidworks
- Plant Operational Hazard Analysis (HAZOP)
- Engineering Design and Drafting
- Shop Detail Drafting
- Bill of Material Development
- NC Data Output.

Structural Engineering Design

- Structural Investigation and Auditing
- Structural Verification
- Civil Engineering Design Roads
- Stormwater Drainage
- Finite Element Modelling and Analysis
- Spacegass Structural Analysis
- Structural Inspections
- Structural Certification
- Bulk Storage Bin Design
- Foundation Design
- Temporary Works Design and Verification.

Delivering Value. Delivering Results.