



**engenium**  
smart project delivery

## Building Design Services

Engenium offers the provision of a combined Engineering Design and Design Drafting package for commercial and industrial construction projects. This approach reduces 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, mechanical, electrical
- 3D (B.I.M.) modelling and design
- 3D model clash detection
- 3D animation and presentation drafting
- Multiple CAD capability including
- AutoCAD, Tekla, Solidworks, Prostructures
- Plant operational hazard analysis (HAZOP)
- Engineering design and drafting
- Shop detail drafting
- Bill of material development
- NC data output

### Structural Engineering Design

- Structural design
- Structural investigation and auditing
- Structural verification
- Civil engineering road design
- Stormwater drainage
- Finite element modelling and analysis
- Spacegass structural analysis
- Structural inspections
- Structural certification
- Temporary works design and verification

**Delivering Value. Delivering Results.**