

Structural Engineering

Advent Consulting Engineers (Advent) are passionate about providing value engineered solutions for our clients based on the overall project life-cycle cost approach, which underpins our strength and experience in various construction methodologies.

Our vision is to deliver high-quality smart designs that are cost-effective, safe, sustainable and constructable to create the ideal project, delivered on time and to budget.

Structural Engineering Services

Our team at Advent works with our clients to deliver complete solutions for structural projects. Specialising in concrete, timber and steel designs, Advent uses advanced computer modelling techniques to predict structural behaviour and provides designs to meet the National Construction Codes.





This includes:

- Feasibility assessments
- Structural modifications, extensions and alterations
- Custom designed premium residential developments
- Multi-unit residential developments
- Townhouses and medium density developments
- Apartments with basement carpark
- Multi-storey office buildings
- Factories and Warehouses
- Institutional buildings
- Sports pavilions
- Cold storage facilities
- Structural inspections and certification
- Project Management

Client Sectors

Our Structural Engineering services are focused on specific industries, where we use our in-depth knowledge to provide high-quality service, technical excellence and cost-effective solutions.

Why Choose Advent

Advent provides high-quality, value added engineering solutions that give cost savings to our clients, by focusing on the four core areas:

Cost – by providing value for money, construction savings and increased earnings to our clients

Reliability – by using a proactive approach to stay aligned with our client's goals

Trust – by using solid processes to develop the right solutions, while focusing on building relationships

Time – by providing on-time delivery and be available when our clients need us

In addition, we focus on maintaining strong long-term client relationships, providing hands-on support and creating a collaborative team approach, which is evident from our client testimonials.

Our Process

Our process starts with a formal inception meeting with our client to refine the design brief, identify key issues and agree on a design direction. The risks and opportunities are identified at this stage, and then addressed in our Safety in Design reviews.

We work closely with Architects to understand the architectural design intent and develop the design in

harmony with the built form. We also encourage early interaction with builders to understand material preferences and construction methodologies.

We provide on-going regular design meetings to ensure our client is kept informed of the design from the start to the end.

Specifically, we provide Structural Engineering services for the entire project cycle, which is focused on four distinct stages:

Pre-Design and Concept Design Stage:

- Site assessment of existing conditions and constraints
- Assessment of existing structure constraints (for modifications)
- Review the initial project concept designs
- Develop alternative design options
- Feedback on the design brief
- Prepare concept designs

Design Development Stage:

- Identify a concept design
- Identify construction constraints
- Produce design sketches for costing
- Preliminary design

Tender Documentation Stage:

- Prepare detailed CAD documentation
- Prepare project specific specifications
- Verification

Building Permit and Construction Documentation Stage:

- Additional information required for construction
- Certification for building permits

*We look forward to working together to deliver your project.
If you have any questions, contact us using the details below.*

Melbourne

P: +61 3 8555 4343
2A/758 Blackburn Road
Clayton VIC 3168

W: www.adventconsulting.com.au
E: info@adventconsulting.com.au

Sydney

P: +61 2 9836 3895
3.17 A, 5 Celebration Drive
Bellavista NSW 2153