

Projects

Industrial & Factory Developments



Farr Engineers has operated for over fifteen years carrying out Structural Engineering for Factory, Resource and Warehouse projects in Brisbane, Regional QLD, and NSW.

We aim to provide project outcomes that include

- Economical and co-ordinated structures;
- Long term serviceability;
- Sustainable client outcomes.



Farr Engineers embraces the latest design and documentation software to provide full Three Dimensional Building Information Modelling (BIM) co-ordination with other consultants. These tools assist the engineers and draftspersons to focus on the client interests.

We provide designs that are considered and technically sound, drafted to ensure a co-ordinated straightforward build, and include the input and expertise of other consultants. We deliver our work as an integral part of the design team.



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Industrial Building Design

Industrial Building design is directed to working with the mechanical and process layouts to provide structural solutions that economically and efficiently focus on:

- Bulk Material Storage and Handling Structures;
- Dynamics of the plant support;
- Machine Layout and Plant Operability;
- Foundation interaction;
- Slabs on ground life cycle loadings and detailed to reduce maintenance;
- Economical Suspended slabs;
- Roof Framing including increasing rafter spacing using software to gain structural economy; and,
- Durable Cladding systems.



Farr Engineers has designed, documented and provided construction liaison for Industrial Buildings including:

- James Hardie Warehouse and Production Buildings Carol Park (D&C Build)
- Reliance Factory Warehouse and Offices Eagle Farm
- Sleepyhead Factory and Eton Manufacturing System Support
- Linfox Warehouse and Truck Maintenance Facility
- Bullivants Warehouse and Distribution Centre
- Preliminary Design for Joy Global Manufacturing Facility (Mackay)
- QFFS Foods Cold Store and Production Facility
- Cascade Engineering Workshop (Darra)
- Monodelphous Workshop (Mackay)
- Rapid Crushers Workshop (Mackay)
- Werner Engineering Workshop (Mackay)
- Baiada Feed Mill Upgrade Tamworth
- Graincorp Warehouse and Product Handling Modifications



We have a broad range of experience in the structural design of critical components of Industrial buildings, ensuring economy and function of the overall design. These elements include experience in designs incorporating:

- Efficient use of Chinese steel sections from commencement of design;
- Composite Steel Floor Slab considering constructability and operation;
- Post-tensioned slabs-on-ground for heavy loads and joint free floors;
- Pre-cast Floors and walls;
- The latest design software providing economy and serviceability in steel work design;
- 3 Dimensional CAD software for co-ordination and clash detection.

