

## What we do

Paragon Consulting Engineers Pty Ltd (PCE) provides a full range of quality engineering services tailored to our clients' requirements.

The company was established in 2004 to respond to the growing need for civil and structural engineering services in Central Queensland. Since then our highly experienced team, led by Managing Director, Tom Long, has completed over 1,000 engineering projects in this fast-developing region.

**Our clients benefit from our extensive knowledge of the local area and our commitment to providing superior engineering solutions from concept through to completion.**

## How we add value

- You can have complete confidence that our engineering solutions are of the highest **quality**, because they adhere to an ISO 9001:2008 compliant Quality Management System.
- Whether you're a local builder or part of a large multinational, our efficient engineering designs aim to achieve **lower construction costs** and offer excellent **value** for money.
- You will be guided through the project by one of our highly experienced engineers who have an extensive knowledge of the **local** area. They will tailor a flexible engineering solution to meet your requirements, and keep you updated from concept through to completion.
- We work hard to ensure the project runs as **smoothly** as possible for our clients, so we handle all the complexities in a project from the initial application process to the final certification.
- You have peace of mind that our innovative designs and use of renewable materials are contributing to a **sustainable** future.

## Our capabilities

We provide engineering solutions in the following areas:

- Civil
- Structural
- Project Management
- Land Development
- Mine Infrastructure
- Construction Supervision
- Main Roads
- Traffic



*PCE's experienced team*

## Civil

Our civil engineering services span the entire project lifecycle, from conceptual and detailed design to certification of the completed works.

Our qualified team uses the latest software (including 12d and AutoCAD) to provide the following civil services:

- Stormwater drainage design (including site based stormwater management plans and MUSIC modelling)
- Site earthworks
- Hydraulic design and investigations
- Road and pavement design
- Car park layout and design
- Water and sewerage design
- All aspects of subdivision works.

## Structural

We provide structural engineering design, documentation and construction inspection services to a range of clients, from local builders to large multinationals.

We have extensive experience of industrial, commercial and infrastructure projects, and single and multi-story residential dwellings. We work with our clients to develop a tailored structural solution that offers the best value for money.



*Health Point Medical Centre*

## Project Management

We offer project management services for civil and structural infrastructure projects. We understand the importance of translating your requirements into an efficient and timely project plan, which we carefully implement to deliver your project on time, on budget and to the highest quality.

## Land Development

We are proud to have been involved in many of the subdivision and development works that have contributed to the expansion of the Mackay-Whitsunday region. We provide design, documentation and certification services at each stage of the development process, and can assist first-time developers through to the very experienced.

With experience in urban, rural, residential, commercial and industrial developments, our services include:

- Conceptual design and engineering reports
- Detailed design and documentation (including all council application processes)
- Contract administration (under AS 4000)
- Construction supervision and certification



*Sugarfields Estate, Mackay*

## Mine Infrastructure

We deliver design and supervision services for mining infrastructure throughout the Bowen Basin. Our clients benefit from our extensive knowledge of the design of earthworks, haul roads, drainage, dams, conveyor structures and other mining infrastructure. We also undertake water balance modelling and environmental audits.



*Carborough Downs Coal Mine*

### **Construction Supervision**

Once the design work is complete, we offer construction supervision services to coordinate the construction phase of a project. We act as a superintendent by administering construction contracts and maintaining an open dialogue between all parties.

By working hard to understand our clients' requirements, we ensure the project is delivered on time and on budget, and meets the highest quality and environmental standards.



*Moranbah North Coal Mine*

### **Main Roads**

PCE provides quality engineering and design services for road projects in the Mackay-Whitsunday region for the Department of Transport and Main Roads (DTMR).

Some of our team members are qualified Road Safety Auditors, and provide road safety auditing and assessment services to DTMR for existing roads and road transport infrastructure, including pedestrian and cyclist amenities.

### **Traffic**

Traffic and transportation engineering is often required in conjunction with other aspects of civil engineering. We therefore provide a wide range of traffic engineering services including:

- Intersection counts and analysis
- Road and intersection design
- Urban and rural traffic studies
- Pavement investigations and reports
- Vehicle manoeuvrability investigations
- All aspects of design and analysis.



*Mackay-Bucasia Road*

### **Accreditations**

PCE is pre-qualified with the Department of Transport and Main Roads, and is certified through the Department of Public Works.

### **Contact the PCE team**

For more information, please contact us at:

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