

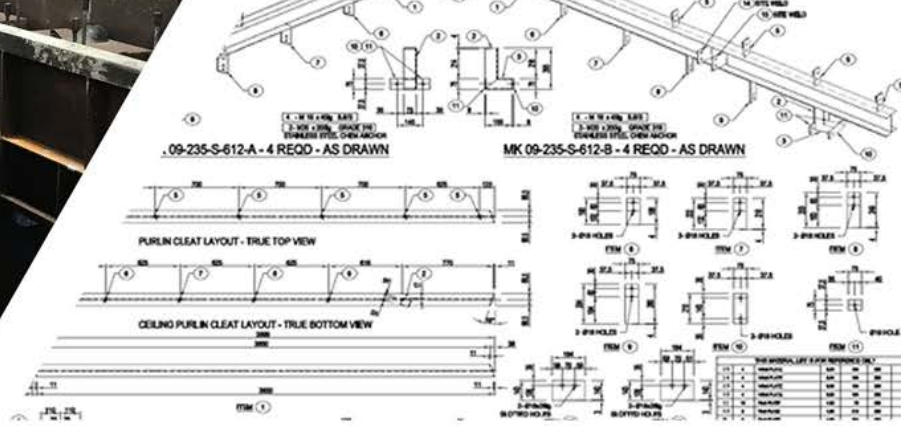
CAPABILITY STATEMENT

INDUSTRIAL & MINING



CEADS

CAPRICORN **ENGINEERING**
AND **DRAFTING** SERVICES



PROFILE

CEADS is a CQ based design shop that has been servicing CQ as well as greater QLD since 2007. With a combined 40+ years experience in the construction & mining industry. Our team has the expertise to help you with any project. Our team is capable of handling your projects from concept to construction.

CEADS are one of the largest design firms in the region with a well established reputation for producing quality work.

Our industrial team have vast experience within the mining & fabrication industry. The team can help you with your design, fabrication/ construction & project management needs. From conceptual design, visualization (virtual & augmented reality) through to full consultancy management (structural, civil, hydraulic, electrical, mechanical & more) & construction documentation our team can lead the way throughout the design process.

Once designed CEADS will provide tender management services to find you the best fabricator/builder for your project. Once selected we will oversee the construction by providing project management to ensure the construction is as per planned, on time & within budget.

Safety in design and construction is our number one priority. We have experience across multiple industrial sites and have the capability to work in with required site standards.

At CEADS we are more than designers we are a full turn key solution for any industrial or mining project you have

SPARK

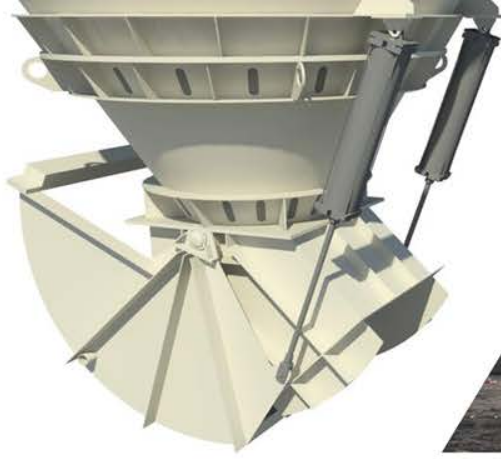
SPARK THE DREAM

IGNITE

IGNITE YOUR **IMAGINATION**

CREATE

CREATE THE REALITY



SERVICES

Sketch & Conceptual Design

Bringing ideas to life! Conceptual design are the perfect product to gain comments from stakeholders, board members & the team. The concept design is an important visualisation of multiple ideas creating a picture to clearly define the design direction.

Consultancy Management

One stop shop! We have a large network of consultants including surveyors, geotechnical, structural, civil, hydraulic, electrical, mechanical engineers. We can engage and manage any consultants that your project may require.

Construction Documentation & Certification

Construction documentation provides detailed information for a builder or contractors to carry out construction works from. In some instances structural engineering or other specialised consultants may be required. This work is integrated within our construction documentation to ensure that the builder has the required detail to carry out the project.

Tender Management

We have a large network of builders and fabricators that are able to complete any project from a small lifting arrangement through to a plant upgrade. We can tender manage your project and find you the most suitable and best money for value builder/fabricator.

Fabrication Drawings

Once the concept design is finalised and the engineering certification is in its time for fabrication drawings. Our office is able to prepare shop drawings from plate profiles, structural steel, through to complex chute arrangements! We have the ability to produce fabrication drawings for your projects.

Drawing Registers/ Redline Drawing Mark Ups

Our team are able to mark up your existing CAD drawings from your red line drawings. We can also organise your existing drawings and produce drawing registers with a corresponding filing structure. We are able to do this remotely or on site!

3D Renders & Virtual/ Augmented Reality

Our in house rendering team are able to produce life like render images and videos for any project or product you may need. Renders are the perfect tool to sell your product prior to construction or production! Our office has the latest virtual reality software and equipment that allows us to import our 3D models & scenes creating a fully immersive virtual experience and the ultimate proof of concept. Virtual reality is a great tool however if you are not able to make it into our office ,augmented reality is able to give a similar virtual experience whether your at home, in the office or out on site. With augmented reality you are immersed in a digital model which enables you to inspect your concept prior to construction.

Safe Design Reports

As part of our obligation under the WHS Act and Regulations 2011 CEADS will analyse designs and prepare safe design reports for all projects. These reports look at reducing and where possible removing hazards throughout demolition, construction, maintenance and in-use stages. We believe in a safe working environment and we strive to ensure this carries on through to the worksites on our projects.

FEATURED PROJECTS



PLANT UPGRADES & MAINTENANCE

Location	Rockhampton, Queensland Port Hedland, Western Australia
Client	Austrak
Detail	Lead consultant for design & planning of ongoing maintenance and upgrades to concrete sleeper production factories.

CEADS have been working hand in hand with Austrak for more than 10 years. In this time we have looked at many upgrades and maintenance projects spanning from certification of small ticket items, conveyor and hopper designs, multiple safety audits and guarding designs, through to the design & planning of full plant upgrades.



RESERVOIR REFURBISHMENT

Location	Emu Park, Queensland
Client	Roth Plumbing – Livingstone Shire Council
Detail	Lead consultant for design of a proposed roof & access system to be installed onto existing concrete reservoir.

This project was for the upgrade and refurbishment of critical council infrastructure. The design included creating a new steel roof structure to fit onto an existing concrete structure. Ancillary structure including external & internal ladders, platforms, handrails & hatches were also required to bring this tank into line with Australian standards. The end result is high quality product that provides safe access for workers to utilise.

FEATURED PROJECTS



RAILWAY SLEEPER PRODUCTION

Location	Various
Client	Vossloh
Detail	Design, construction & commissioning of railway sleeper moulds for the Melbourne Level Crossing Upgrade Project

This project was multi faceted with a holistic approach required. Vossloh provided us with a product and required a mould to be designed and constructed to produce this product. Once the design was approved the fabrication of these mould was undertaken. CEADS was responsible for the check of the fabricated mould with a tolerance of <1mm required.

Once fabrication of the moulds was complete logistics and commissioning of the moulds was required. CEADS oversaw the commissioning and production of the first batch of concrete sleepers to ensure that the tight tolerances were met.



RECORD

Capricorn Engineering & Drafting Services has been operating throughout CQ for 10+ years. In this time we have worked with local, national & multi-national companies as well as local, state & federal levels of government.

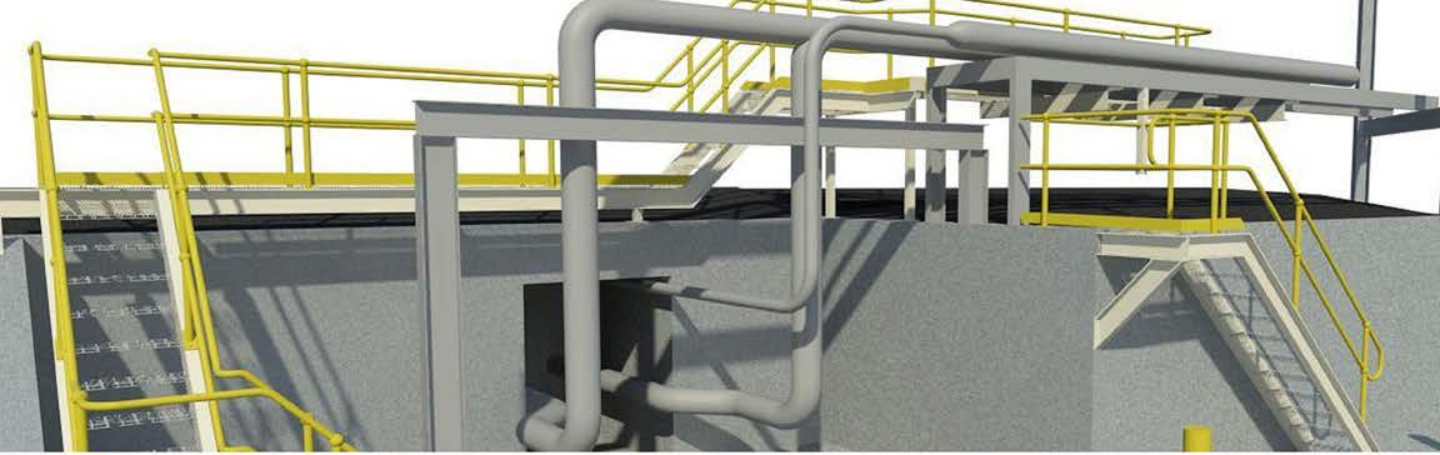
These include (but are not limited too)

- Anglicare
- Ashton Engineering
- Austrak
- Close Construction
- CQ Water
- Enweld and Fabrication
- Fitzroy River Water
- Jellinbah Mining
- Link Mining Services
- Livingstone Shire Council
- Luke Hinton Concreting
- Northern Peninsula Area Regional Council
- Puma Energy
- Reid Liquor
- Rockhampton Regional Council
- Roth Plumbing
- SMW Group
- Steel Buildings Australia
- Teys Australia
- Tibbs Fleet Weld
- Vossloh
- Yancoal

RECOGNITION

CEADS have been the proud recipient of the following design awards.

- 2016 BDAQ Regional Design Award - Best Special Project
- 2016 BDAQ State Design Award - Best Special Project
- 2017 BDAQ Regional Design Award - Best Small Lot Design
- 2017 BDAQ Regional Design Award - Gross Floor Area Under 150m²
- 2017 BDAQ Regional Design Award – Residential Alterations/Additions: Houses up to \$350,000
- 2017 BDAQ Regional Design Award - New House \$300,001-\$500,000
- 2017 BDAQ Regional Design Award - New House \$500,001-\$750,000
- 2017 BDAQ Regional Design Award – Multi-residential Projects: Up to 6 dwelling units
- 2017 BDAQ Regional Design Award – Conceptual Design / Unbuilt Project
- 2019 BDAQ Regional Design Award – New House up to \$300,000
- 2019 BDAQ Regional Design Award – Best Use of James Hardie Products
- 2019 BDAQ Regional Design Award - Residential Alterations/Additions Houses \$350,001 - \$800,000
- 2019 BDAQ Regional Design Award - New Commercial Buildings up to \$5,000,000
- 2019 BDAQ Regional Design Award – Conceptual Design / Unbuilt Project



MANAGEMENT SYSTEMS

QUALITY ASSURANCE

CEADS is committed to providing clients with the highest standard of service and products displaying a high level of professionalism. CEADS is dedicated to the ongoing development and improvement of the quality assurance procedures for the benefit of customers, staff and the Company. All CEADS staff are responsible for performing their duties in accordance with all company policies and procedures and their position descriptions. CEADS recognises its responsibility to identify and provide adequate resources and assign trained personnel to perform assigned tasks.

SAFETY IN DESIGN

As part of our obligation under the WHS Act and Regulations 2011 CEADS will analyse designs and prepare safe design reports for all projects. These reports look at reducing and where possible removing hazards throughout demolition, construction, maintenance and in-use stages. We believe in a safe working environment and we strive to ensure this carries on through to the worksites on our projects.

ENVIRONMENTAL STATEMENT

As a design based business we have a responsibility to minimise our footprint on the earth. We pride ourselves on delivering energy efficient designs that utilize environmentally sustainable design principles whilst still working within our clients budgets. Design principles include efficient water usage, natural day lighting, environmental heating and cooling and many more. Traditionally design based business have a high output of paper wastage. At CEADS we are striving to become a fully electronic based company meaning that rather than providing plans on paper we are utilizing modern methods such as email & file sharing websites.





INSURANCES, LICENSING/MEMBERSHIPS , PREQUALIFICATIONS

INSURANCE

- Workcover
- Public Liability insurance - \$20,000,000.00
- Professional Indemnity insurance - \$1,000,000.00

LICENSING/MEMBERSHIPS

- QBCC Building Design – Low Rise License – 1126593
- QBCC Building Design – Low Rise License – 1126594
- Building Designers' Association of Queensland – 1183
- Building Designers' Association of Queensland – 1185

PREQUALIFICATIONS

- Queensland Government Dept. of Housing & Public Works PQC Level 3





CONTACT US

FOR MORE INFORMATION

If you would like further information or wish to discuss your future projects in greater detail please do not hesitate to get in touch with us.

Kim Laundry

Partner/Business Manager

- Diploma of Building Design
- QBCC Licence # 1126594
- BDAQ CQ Branch Delegate and President
- Cert III Engineering Mechanical – Mining
- Real Estate Agent Licence

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Darryl Lindley

Partner/Residential Design Manager

- Building Design – Low Rise
- QBCC Licence # 1126593
- BDAQ CQ Branch Secretary
- Bachelor of Engineering Technology
- Real Estate Agent Licence – Principal

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