



Capital Consulting
ENGINEERS
"Your Partners in Success"

Engineering Consultants
Project Managers

DEVELOPING ENGINEERING SOLUTIONS

CAPABILITY STATEMENT:

Civil Engineering



Capital Consulting Engineers Offer Innovative Solutions for:

- Mining, Agriculture, Urban Design
- Water, Sewerage, Stormwater
- Roads and Dams
- Project Management of Engineering, Procurement and Construction
- Quality Assurance

For multi-discipline project delivery from concept through to completion Capital Consulting Engineers offer high quality certified Project Managers backed up by an experienced in-house Engineering Team. We offer innovative and cost effective solutions to your Engineering problems.

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Technology at work for you

Developing Engineering Solutions

ENGINEERING SOLUTIONS

Land Capability Assessments

Project Development

Management services

Urban & Environmental
Planning & design

Investigation, Engineering
Design & Supervision of
Infrastructure Works

Mine Rehabilitation

Roads & Parking

Container Terminal & Heavy
Pavement Design

Bulk Earthworks

Stormwater & Flood Model-
ling

Sewerage

Water and Pumps



Practical Experience

Capital Consulting Engineers have practical experience in projects from research and development, investigations, feasibility studies, planning, design and project management in industry and mining.

We are a multidisciplinary consultancy providing a well-rounded approach to project management, delivering an integrated solution that works.

Complete Project Delivery

Capital Consulting Engineers provide clients with in-house services covering most aspects of civil engineering projects from consent to completion. Our in-house mechanical and electrical engineering capability ensures a coordinated approach to design.

Capabilities

Capital Consulting Engineers provides clients with value in the civil design process by clarifying a Client's needs, challenging assumptions and developing solutions to achieve the highest level of design quality, sustainability and productivity. CCE's areas of capability include:

- Feasibility Studies
- Financial Evaluation and Feasibility Assessment
- Engineering Estimates
- Planning Services
- Detailed Design Analysis



Surveying

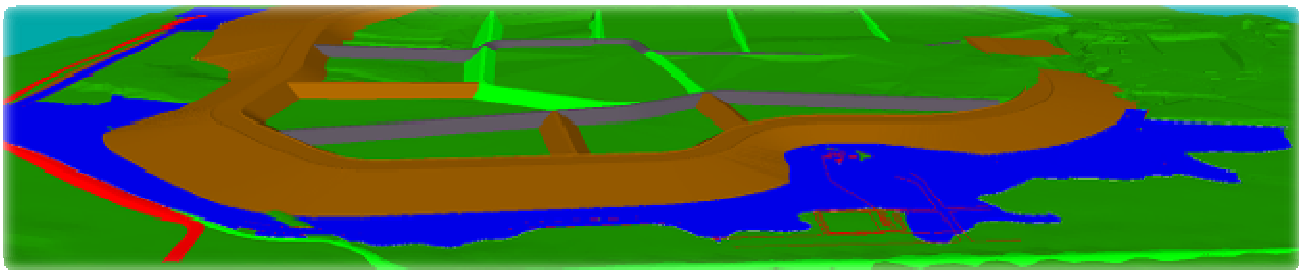
Engineering Surveying

Engineering Design

Detailed engineering design plans covering roads, pavements, water, sewerage, bulk earthworks, stormwater, tailings dams, retaining walls, river diversions etc.

Service Authority liaison and Council Approvals.





flexible solutions for your business needs

technology consulting provides a total end to end solution

Co-disposal Dam North Goonyella Mine Queensland

CCE provided concept and detailed design services for a 6 million cubic metre co-disposal dam for this Peabody Energy coal mine. CCE was responsible for:

- Geotechnical investigations
- Topographic Survey
- Bulk Earthworks Modeling Using 12d
- Spillway, decant and toe drain design
- Investigation of cost effective solutions for storage of 6M m³ of co-disposal material
- Liaison with DEHP and procurement of development approval
- Access road and culvert design
- Production of all detailed design drawings and specification
- Construction Management

Annual Dams Inspections

CCE conducts mandatory hazardous dam assessments and annual inspections for several Bowen Basin mines.

Mine Haul Road Design Carborough Downs Mine Queensland

Detailed design of a haul road using 12d and AutoCAD. Production of detailed design drawings, specification and cost estimate for tender.

Mine Rehabilitation Callide Coal Mine

Bulk Earthworks dozer push analysis, slope reshape, capping, drainage design, erosion & sediment control.

Resurfacing of Underground Haul Road NGCM

CCE was tasked with designing and supervising the re-surfacing of a 1040m long, 5.2m wide concrete underground access drift. The task was completed over 10 consecutive nights setting new Australian records for the country's longest pour and the longest distance that steel fibre reinforced concrete has been pumped.

Site Bulk Earthworks Eagle Downs Mine

CCE provided detailed design and engineering support for all surface civil works for this large greenfield project in the Bowen Basin for the new Eagle Downs Mine. Works included surfaced access road, haul roads, sediment dams, clean & dirty stormwater drainage, flood modelling, hardstand design & setout for all stockpile, conveyor and the CHPP and MIA areas.

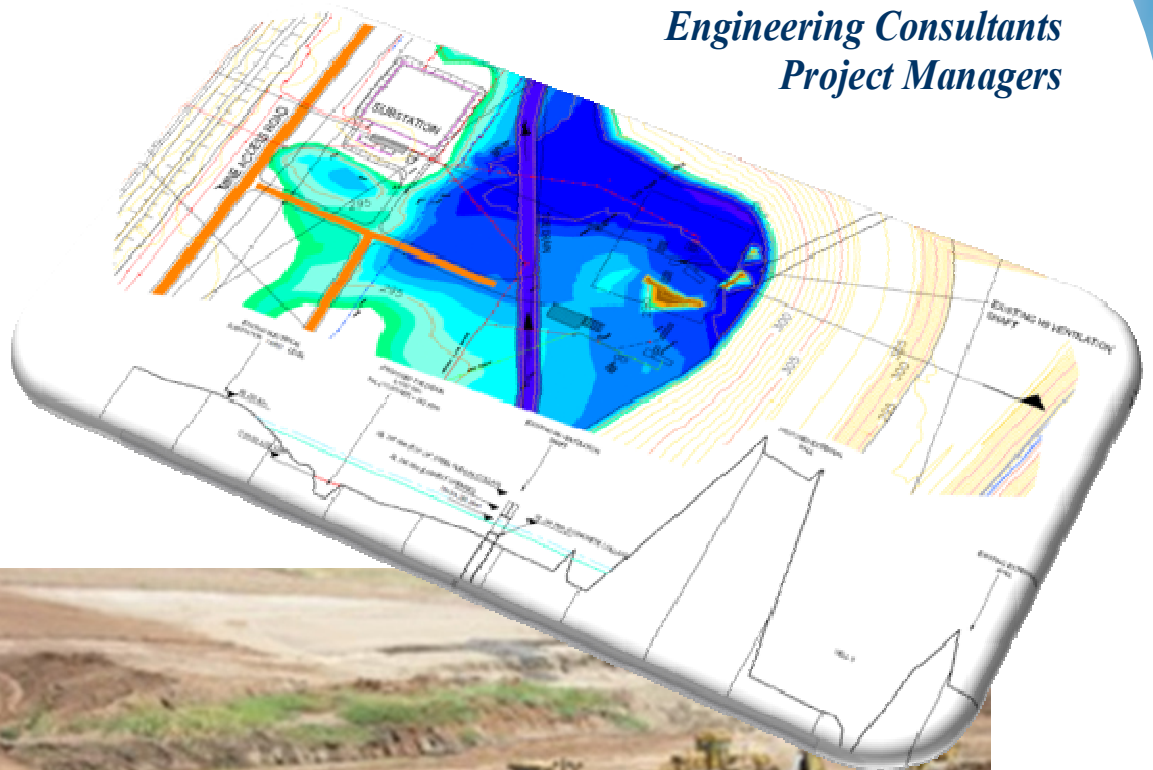
Upgrade of NGCM Access Road

Provision of technical and commercial advice regarding proposed maintenance of a 26km stretch of 9m width access road from the Suttor Development Road to the NGC Mine administrative offices.

Dry Rejects Emplacement Carborough Downs Coal Mine

Full design & construction stage services for a new 13Mt Dry Rejects Emplacement Area and associated 335ML sediment dam.

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