



Consulting

Capability Statement



CQG Consulting

We listen, we understand, we deliver.

Established in 2003, CQG Consulting (CQG) is one of regional Queensland's leading consultancies with staff in Rockhampton, Gladstone, Mackay, Townsville and Brisbane.

We are sought out for our technical knowledge, experience and practical, trusted advice.

Member of Local Buy and appointed to numerous Local and State government and industry panels.

At a glance



Zero Lost Time Injuries since 2003



Problem solvers with proven successes



Supported by a group of quality specialists, sub-consultants and Traditional Owner groups.



Certified Systems against ISO 9001 / ISO 14001 / AS/ NZS 4801



Members of Professional Organisation Bodies - EIANZ / EA / PIA

Environment Services

- Contaminated land investigations
- Sustainability
- Flora, fauna and biodiversity
- Environmental monitoring
- Environmental management
- Strategic environmental advice
- Impact assessment, permits and approvals
- Compliance and auditing
- Land management

Engineering Services

- Concept and feasibility studies
- Waste management facility design and operational advice
- Natural disaster management support
- Precision drone services (UAV)
- GIS and spatial analysis
- Solar salt and saline waste
- Erosion and sediment control

Planning Services

- Development approvals
- Stakeholder and community engagement
- Coastal development approvals
- Waterway barrier works
- Due diligence assessments
- Land tenure advice
- Strategic development advice



CQG's notable project delivery success results from developing close working relationships with our clients and interacting regularly with interest groups, the community and government agencies. We assist clients from concept through to the commissioning and operational phases of their projects, and provide support to their day to day operations.

We have developed rigorous in-house reporting and project planning processes to ensure our clients and project teams are informed during project delivery. Our capabilities have successfully endured scrutiny by various government and private sector organisations resulting in CQG's appointment on a number of planning, environmental and engineering panels. Quality is a core value of CQG's operations and our Quality Management system is certified to ISO 9001 by internationally recognised certification agency, SAI Global.

Our motto is *"We listen, we understand, we deliver"* underpinned by our vision of delivering trusted, practical professional advice. These values have seen our business grow on the basis of repeat engagement by local, national and international clients.



Our Service Groups



Planning

CQG's planning team provides timely, reliable solutions to assist clients with assessing project feasibility and securing permit and development approvals.



Environment

We have the team, the experience and the equipment to provide the full suite of environmental services.



Engineering

Our engineers are sought out for their practical and innovative approach to problem solving.



Business Support

Our business support team can assist with desktop publishing, stakeholder engagement, quality systems, and general administration.

A regional Queensland firm with an experienced and skilled team.

- Reputable record and significant experience with permitting, approvals, impact assessments, tender preparations, contractor management and compliance advice and auditing
- Experienced in environmental, planning, engineering and GIS support
- State of the art equipment, including drones (UAV), GPS, environmental monitoring units and field tablets
- Suitably qualified and certified auditors
- Proven ability to prepare and deliver reports that withstand public scrutiny and government reviews
- Good relationships with Queensland and Commonwealth regulators and rural land holders
- Experienced in the provision of training for local Indigenous rangers in field work planning, monitoring and recording techniques
- Excellent safety record, with a practical, common sense approach
- GIS officers with proficient skills in ArcGIS, spatial data management and working with multi-disciplinary teams
- 4WD and remote work experience
- Coal board medicals & 1st Aid Certificates
- Proven track record in the delivery of robust scientific reporting that has met the high level of review requirements set by all levels of government and the Department of Defence



Environment

CQG's experienced, trusted and highly qualified environmental specialists are ready to assist you with the full suite of environmental services from routine monitoring through to high level strategic advice and compliance.

We work in accordance with local, state, national and international environmental legislation, guidelines, standards and policies, and we understand the value of planning, risk management, communication and stakeholder engagement in the environmental space to ensure the success of project objectives. We have third party certified systems, qualifications, experience and established working relationships with regulatory agencies.

We deliver practical, risk-based scientific advice, in consideration of the relevant environmental, social and commercial drivers, to deliver the best outcome for the client and the environment.

Environmental Management

- Data analysis and management
- Environmental compliance auditing
- EMS, EMPs, procedures and plans
- Environmental risk management
- Environmental training
- Erosion and Sediment Control
- Waste management

Contaminated Land

- Suitably Qualified Persons (SQP) under the EPA Act
- Acid sulfate soils
- Contaminated land investigations and remediation, removal of sites from EMR

Ecology

- Fauna and vegetation surveys
- Pre-clearance surveys
- Weed and pest surveys and management
- Fauna spotter catcher services

Environmental Monitoring

- Air quality and gas
- Respirable Dust Monitoring
- Noise surveys
- Receiving Environment Monitoring Programs (REMP)
- Soil and sediment sampling and analysis
- Water quality & Groundwater

Environment Regulation

- Environmental Impact Assessments (EIS)
- Initial Advice Statements
- Waterway barrier applications
- Vegetation clearing applications
- Permit applications and assessments
- Environmental legislation advice
- EPBC referrals
- Significant impact assessments
- Environmental authority (EA) applications and amendments



Environment Institute of
Australia and New Zealand

Environmental Monitoring



The CQG team has been designing and implementing environmental monitoring programs throughout Queensland since 2003.

Our staff are trained and follow the Queensland Government Water Monitoring Guidelines, Australian Standards and Geosciences Australia field guides. Our field equipment and meters are calibrated and maintained regularly and our data and reporting is reliable and robust.

We are registered on several panels and CQG's team has been engaged by a range of clients to:

- Design and implement environmental monitoring programs (groundwater, surface water, soil sediments, contaminated land, air quality, noise and vibration)
- Represent clients in negotiations with regulators for monitoring conditions
- Design and implement receiving environment monitoring programs (REMP)
- Select suitable sites for monitoring and sampling
- Supervise installation of bores
- Conduct baseline, event and impact monitoring
- Select, maintain, calibrate and operate field monitoring equipment
- Coordinate NATA labs, interpret data, conduct statistical analysis and prepare scientific reports

We listen, we understand, we deliver.

Rockhampton | Gladstone | Brisbane | Townsville | Mackay



Environmental Advice and Approvals



CQG has decades of experience providing environmental advice and assisting clients through approval and permitting processes.

We are proud of our reputation for delivering high quality Environmental Impact Statements (EIS) and achieving optimal project outcomes for our clients and the communities in which we work.

Our key advisory and approval services include:

- Compliance and due diligence advice
- Government agency consultation
- Identifying approval and permit requirements
- Preparation of EMPs, CEMPs, irrigation management plans
- Species management plans and dredge management plans
- Environmental and planning approvals
- Environmental impact assessments

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Ecological Services



Our qualified and experienced ecologists employ the latest survey methodology and species management in line with Local, State and Federal government legislation and regulations to identify species and habitats in order to reduce environmental impacts and increase conservation outcomes.

Our reports have withstood public scrutiny through approved processes and we are committed to the highest quality, environment and health and safety practices.

Our qualified professional ecologists provide the following full range of ecology services including:

- Pre-clearing assessments
- BioCondition assessments
- Habitat and vegetation assessments
- Endangered, vulnerable and near threatened (EVNT) species surveys under the *Nature Conservation Act 1992* (QLD)
- Weed and pest surveys
- Marine megafauna surveys
- Significant impact assessments
- Spotter catcher services
- Development and implementation of:
 - o Flora and fauna management plans
 - o Weed and pest management plans
 - o Species management plans
 - o Offset strategies
 - o Revegetation and rehabilitation plans



Weed and Pest



Our team provides practical weed and pest surveys and management plans including:

- Provision of due diligence and environmental advice related to the *Biosecurity Act 1994 (Qld)* and other regulatory requirements, including Council invasive species management plans
- Weed surveys, monitoring, mapping, management and treatment plans
- Weed treatment by licenced operators
- Preparation and review of Biosecurity Management Plans
- Feral animal surveys, monitoring and management plans
- Revegetation and rehabilitation success criteria and monitoring and management plans
- Collation of spatial data, data analysis and preparation of mapping using GIS software
- Invasive species identification training and awareness
- Coordination of invasive species control activities
- Performance auditing of rehabilitation and/or invasive species management works
- Technical reporting including management prioritisation and recommendations
- Unmanned aerial vehicle (drone) for weed surveys / control
- Coordination of community and stakeholder engagement regarding invasive species management
- Vehicle hygiene inspections (weed and seed)

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Environmental Management

CQG's team has significant experience in developing Environmental Management Plans (EMPs) and Environmental Management Systems (EMS) that are practical and tailored.

Our environmental auditors and system specialists have the technical skills and hands-on experience in developing and implementing EMPs and EMS in a range of sectors, including construction, quarrying, linear infrastructure projects, Defence projects, heavy industry, mining, power generation and local government.

CQG's team can assist with:

- High level advice to management teams and boards
- Environmental management systems (EMS)
- Integrated management systems
- Environmental management plans (EMP)
- Environmental compliance auditing
- Environmental risk management
- Environmental awareness and compliance training
- Assessing opportunities to improve performance



Contaminated Land



Our team has suitably qualified persons (SQPs) under the *Environmental Protection Act (EP Act) 1994 (Qld)* for contaminated land investigations

We have conducted numerous land contamination investigations for a range of activities and successfully applied for removal of sites from the EMR

Adoption of innovative ways to reduce time and costs e.g. use of drones (UAV) for surveys and capturing spatial data, as well as non-invasive ground-penetrating radars

Experienced in working with contaminated land auditors and Department of Environment and Science

Preparation of Contaminated Land Investigation Documents (CLID) and notifications for inclusion on EMR

Development of practical, Site Management Plans (SMP)

Contaminated site investigations and remediation projects typically follow these steps:

Stage 1:

Preliminary Investigation

Stage 2:


Detailed Site Investigation

Stage 3:

Remediation

Stage 4:

Validation



Qualified and experienced land contamination specialists (SQPs)

Planning and Development Applications



We provide integrated services and customised solutions for planning and development projects, through proactive management of multidisciplinary teams, and our strong capabilities to deliver projects .

We pride ourselves on our ability to make things happen for our clients by:

- Clearly explaining and navigating complex legislation and approvals pathways process to get projects off the ground
- Creating realistic, concrete implementation plans for short term and long term client focused outcomes

Key Services:

Development Approvals

- Advice for statutory approvals processes for a diverse range of developments
- Preparation of applications and supporting information
- Stakeholder engagement
- Consultation with approval authorities and referral agencies

Due Diligence Assessments

- Tenure searches
- Permitted use assessments
- Contaminated land searches and investigations

Site and Route Selection

- GIS analysis
- Multi-criteria analysis
- Constraints analysis



Environmental Auditing



Environmental auditing to ensure compliance and identify smarter ways to protect the environment.

Our auditors have experience in:

- Auditing against licences, permits and approvals
- Conducting audits for Transport & Main Roads, Councils, port authorities, mining and quarry operators, civil construction sites, heavy industry and a range of industrial sectors
- Preparing audit reports to meet regulatory requirements - EPBC and State legislation
- Briefing boards, management teams and staff on audit findings
- Assisting clients to prepare for ISO and regulatory authority audits
- Conducting audits post natural disasters to ensure appropriate data collected for funding support

CQG auditors are experienced in all components of Australian Standard 14001 EMS including the development and review of the following EMS requirements:

- Environmental policy
- Aspects and impacts register (environmental risk register)
- Environmental legislation register
- Environmental objectives and targets
- Resources, roles, responsibilities and authorities register
- Competence training and awareness
- Internal and external communications
- EMS documentation
- Document control
- Operational control
- Emergency preparedness and response
- Monitoring and measurement
- Evaluation of compliance
- Non-conformity, corrective and preventative action
- Internal audit
- Management review



CQG is the consultancy of choice for Queensland local government clients.

The CQG team has:

- Conducted kerbside and container recycling scheme audits (only consultancy in Qld currently conducting this work)
- Prepared Waste Reduction and Recycling Plans for Councils
- Conducted compliance audits for operating and closed landfills since 2003
- Coordinated the installation of over 50 groundwater monitoring bores for landfill sites
- Conducted site risk assessments for over 60 closed landfills
- Prepared closure, after care management & remediation plans for in excess of 20 closed landfill sites
- Developed and implemented groundwater monitoring programs and REMP
- Represented several Councils in the amendment of their environmental authorities (licenses)
- Designed waste transfer stations and bin stations and secured development approvals
- Coordinated waste collection services post several major natural disasters (cyclones and floods)
- Designed and conducted environmental monitoring programs for 20+ waste management facilities



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CQG is a leader in waste management advisory services throughout regional Queensland.

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A close-up photograph showing a person's hands in blue nitrile gloves using a large medical syringe to extract a sample from a hole in the ground. The hole is surrounded by dry, brownish soil and some sparse green grass. The syringe is held vertically, with the needle inserted into the hole. The background is slightly blurred, showing more of the ground and some green foliage at the bottom.

Waste Management Planning and Advice

CQG is one of the most experienced waste management environmental teams in regional Queensland. Our staff have experience running waste management facilities for local government and industry, preparing waste management and landfill closure plans, conducting waste audits and long term environmental monitoring programs for landfills. We have also prepared concept designs for waste transfer stations and vertical expansion projects to extend landfill life expectancy saving our clients tens of millions of dollars. Our expertise is highly sought for practical, value for money regulatory and technical advice and our team can be relied upon for support following natural disasters.



Consulting

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GIS Mapping

CQG provides a range of spatial data services to support project management, decision making and environmental assessments.

CQG Consulting has a highly skilled Geographic Information System (GIS) team supported by the ESRI suite and other specialised GIS products.

We have experience in:

- Property maps and PMAV;
- Biodiversity offset mapping;
- Constraints mapping;
- Data capture and management;
- Incorporating GIS into projects as a decision support tool;
- Long-term repeatable ecological and environmental change monitoring;
- Map preparation;
- Rehabilitation progress modelling;
- Remote site selection for work sites and access routes;
- Spatial analysis;
- Species habitat modelling;
- Managing environmental data and trends in GIS;
- Setting up databases; and
- Vegetation mapping.



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