

Capability Statement



Celebrating over 30 years in business.

30 years of integrated engineering and testing solutions.

Established in 1994, RCA Australia comprises five specialist consulting groups that provide services for a diverse range of requirements. Our headquarters are based in Newcastle, but we have active projects all over NSW. Our specialist groups are Geotechnical Engineering, Environmental Engineering, Acoustics, Construction Materials Testing Laboratory and GIS and Drafting. RCA Australia is locally owned and operated comprising approximately 30 full-time staff including engineers, scientists, geologists and technicians.

Through the diverse range of services offered across the RCA consulting groups, we deliver integrated solutions that reduce costs while ensuring high-quality outcomes tailored to your needs.

RCA Australia has been NATA accredited for 30 years.

Our Integrated Management System, is 3rd party certified against ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 standards.

In 2024, RCA Australia proudly celebrated 30 years in business in the Hunter Region and beyond. We take pride in the journey that brought us here and look forward to the opportunities that lie ahead.



Geotechnical Engineering



RCA Australia provide an extensive range of geotechnical engineering and consulting services. Industry sectors serviced include infrastructure, water, mining, construction and maritime and includes all stages of development from concept development, risk assessment, site investigation, design and construction.

The geotechnical team comprises a range of senior and graduate level staff with the capability to service large scale infrastructure projects as well as smaller scale residential and commercial customers. We pride ourselves on friendly, personal and reliable service to take the risk out of your project.

Specific areas of expertise include:

- › Geotechnical Site Investigation
- › Road and rail Infrastructure
- › Water Infrastructure and Management
- › Port and Wharf Projects
- › Geotechnical Risk Assessment
- › Mine Infrastructure
- › Commercial, industrial and residential developments
- › Slope stability assessment and design
- › Geotechnical modelling and analysis
- › Engineering geology
- › Forensic geotechnical engineering
- › Mine subsidence assessment

Environmental Engineering

RCA Australia offers comprehensive environmental engineering services to assist in managing environmental risk and regulatory compliance. Our environmental team of engineers and scientists can assist in environmental monitoring, reporting and data interpretation and management. Our team has extensive local knowledge of Newcastle history and contamination, with comprehensive experience undertaking a broad range of environmental investigations across NSW.

Specific areas of expertise include:

- Contaminated Site Assessment
- Site Remediation and Management
- Waste Classification
- Acid Sulfate Soil Assessment and Management
- Hazardous Materials
- Workplace Monitoring
- Compliance monitoring
- Occupational hygiene monitoring
- Compliance dust, surface and groundwater, soil vapour and landfill
- Gas monitoring
- Reporting support including Annual Returns.





Acoustics and Community Engagement

RCA Australia provides a wide range of acoustics and community engagement services. Our team has built strong relationships with government agencies, local councils, planners, designers and civil contractors in the Hunter area and beyond. We enjoy working on a large range of project types. From working on small technically complex DA noise impact assessments to providing noise treatment advice for large transport infrastructure projects, our team can cover the spectrum of acoustic investigations to meet client requirements.

Specific areas of expertise include:

- › At Receiver Noise Treatment
- › Speech Intelligibility Assessments
- › Planning and Compliance
- › Building and Architectural Acoustic Design
- › Environmental Noise Assessment
- › Construction Noise and Vibration Measurement and Management
- › Community Engagement
- › Transport Noise Assessments
- › Occupational Noise Monitoring

Construction Materials Testing

Our NATA accredited Construction Materials Testing Laboratory at RCA Australia provides a range of services ranging from laboratory testing of construction materials to on-site advice and supervision services. Our experienced team of earthworks technicians and geotechnical engineers have a large range of site inductions and certifications. We are able to establish from our Newcastle headquarters or provide remote laboratory establishment as required, to best service your project throughout the Hunter and Greater NSW area.

Specific areas of expertise include:

- › Category L2 Construction Industry Laboratories (Road and/or bridge contract value over \$10M and less than \$200M)
- › Capacity to set up annexe labs for onsite testing in remote areas and large projects
- › Level 1 or 2 supervision of fill
- › Compaction control testing, including nuclear density testing
- › Engineering properties testing
- › Soil classification
- › Rail possession works
- › Pavements and road works
- › Aggregate and quarry testing
- › Concrete testing



GIS and Drafting

RCA Australia can provide GIS and drafting services to support your project. Our team uses numerous GIS spatial tools and applications to support informed decision-making across sectors such as urban planning, engineering and environmental management.

Specific areas of expertise include:

- Geospatial Decision Making
- Data Management and Integration
- Custom Map and Visualisation Production
- Historical and Aerial mapping
- Location plan mapping
- Urban and regional planning maps
- Structural Section (AutoCAD) Drawings



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