ENVIRONMENT AND HEALTH IN AUSTRALIA AND NEW ZEALAND

Founded in Denmark in 1945, Ramboll is a leading engineering, design and consultancy employing more than 16,000 experts in 300 offices in 35 countries, spread over all six continents. Ramboll works across the markets: Environment & Health, Urban Planning, Water, Buildings, Transport, Energy and Management Consulting.

Ramboll Group A/S is owned by the Ramboll Foundation, an independent Danish enterprise foundation with a long-term ownership perspective. Our employees can be sure of a long-term financial and commercial continuance of Ramboll, and our clients can be assured that we are independent of any external or personal interests.

As a premier global consultancy, we are trusted by our clients to manage their most challenging environmental, health and social issues. We have earned a reputation for technical and scientific excellence, innovation and client service and leaders in the field of environmental impact assessment (EIA) and environmental management. Our independent science-first approach ensures that our strategic advice is objective and defensible. We apply integrated multidisciplinary services and tailor each solution to our client’s specific needs and challenges.

We have operated since 2001 in Australia and New Zealand and have offices in Sydney, Newcastle, Perth and Auckland. While we provide the full range of environmental, health and safety services to a wide range of sectors and clients, our Australian team also comprises of experts in Energy, Planning & Urban Design and Water.

With specialist technical and management skills, combined with extensive knowledge of local business and state and federal environmental regulations, our experts are able to develop appropriate and effective environmental management and engineering solutions. Our high-end solutions in Australia and New Zealand include:

• Air quality impact assessment and management
• Climate change and energy management
• Contaminated land auditing
• Contaminated site investigation and remediation
• Due diligence: environmental health and safety
• Ecological risk services
• Hazardous waste and chemicals management
• Health risk sciences
• Impact assessment and management
• Liveable cities and urban planning
• Marine ecology
• Noise monitoring and management
• Process safety risk management
• Sediment management
• Social impact assessment
• Spatial services
• Sustainability
ENVIRONMENTAL IMPACT ASSESSMENT

Our impact assessment team in Australia and New Zealand (ANZ) comprises highly regarded professionals with a proven track record in managing a broad range of complex multidisciplinary environmental impact assessments. We are trusted experts in our field, both domestically and globally.

Our team brings extensive and diverse experience, with careers spanning from two to 45 years in the management of environmental projects across all major and emerging sectors:

- Transport infrastructure:
  - Road – major highways and local roads
  - Rail – high-speed, heavy & light, freight
  - Maritime – ferry and wharves
  - Airports – international and domestic

- Renewables:
  - Wind
  - Solar
  - Energy from waste

- Ports and marine
- Water and water infrastructure
- Sustainability
- Social infrastructure
- Health and education
- Transmission and pipelines
- Urban development and urban planning
- Waste and resource recovery
- Industry and industrial remediation
- Mining and mining rehabilitation
- Oil and gas
- Climate change and adaptation
- Climate risk and resilience

Our team of in-house specialists are complemented by our well-established network of trusted specialist partners. Our focus is always on providing the best-for-project team for each of our engagements.

We don’t believe that the ‘one-stop-shop’ is the right approach, and our focus is firmly on building bespoke teams of experts that fit the purpose and requirements of each project.

Working with partners that we trust and who share our longstanding corporate culture and our ethics is paramount to us. We believe that integrity in what we do is fundamental to the successful delivery of robust and collaborative outcomes that meet the needs of our clients.

We pride ourselves on providing the same level of rigour to all our projects. From the simple to the complex multidisciplinary programs, we focus on realistic, achievable and appropriate outcomes through technical expertise, innovation and continual improvement.

Our holistic approach covers strategy, planning and design, construction, and operation. We draw on globally proven models and methodologies, delivered by experienced local practitioners.

Our commitment is to bring our full weight of Ramboll global experience to Australia and New Zealand.
Complementing our impact assessment team, our ANZ spatial team provides expert GIS and Spatial services and support to our projects and are an integrated part of our project teams. The Spatial team has a diverse toolkit, offering a variety of geospatial services to help understand our clients’ challenges and determine appropriate management activities.

Our spatial team has extensive experience managing spatial data and services within impact assessment and environmental planning project for the public and private sectors.

Our ANZ spatial team is backed by more than 300 geospatial professionals worldwide with expertise in conducting geospatial analyses across a range of disciplines, including environmental and urban planning, ecological and human health risk assessment, air quality and noise, site investigation and remediation, natural resource assessments, renewable energy and environmental due diligence.

WE HAVE EXPERTISE IN:
- Data management
- Spatial analysis
- Geostatistical analysis
- Bespoke web mapping and dashboarding
- Mobile mapping and data collection
- High-quality maps and graphics

SPATIAL SERVICES

Historic Waterway
Elevation Map
Existing Flowlines

Cloudburst Flooding 2115
Water Focus Area
Flooding Reported Area

Social Infrastructure
Transportation Infrastructure
Green Connections
SOME OF OUR RECENT PROJECTS

01 Valley of the Winds Wind Farm Project, Scoping and Environmental Impact Assessment, NSW
Ramboll is delivering the State Significant Development EIS for a proposed 800 MW wind farm (comprising approximately 175 wind turbines) in regional NSW. The project includes an options assessment and preferred route recommendations for the required 65km 550kv transmission line connecting to an existing substation as well as internal and external reticulation and connecting 330kv transmission lines.

Our scope includes community engagement, government agency interface and management of specialists, including biodiversity, visual/landscape, social and economic, cumulative, heritage, risk, transport and sustainability.

02 Demolition and Remediation of former Aluminium Smelter Environmental Impact Assessment, NSW
Ramboll has been the environmental consultant for Hydro Aluminium Kurn Hunter Pty Ltd since 2012, advising on environmental issues associated with the demolition and remediation of a former aluminium smelter site in the NSW Hunter Region.

We have provided extensive environmental approvals support to Hydro, including preparing three EIAs under the NSW EP&A Act: an EIS to support a state significant development approval application for the remediation of the Smelter (including an onsite containment cell); and an EIS and a Statement of Environmental Effects (SEE) to support development applications for the two stages of demolition.

In addition to preparing the EIA documentation, we have been responsible for: the coordination and management of several specialist studies; environmental inputs to options evaluation studies; communications with a number of government agencies; and providing assistance to the engineering and stakeholder engagement teams.

03 Solar Environmental Constraints Analysis, Queensland
Ramboll examined the potential for the construction of solar energy farms on unused sites owned by a local council in south east Queensland. We undertook an environmental constraints analysis. Issues investigated include the vegetation significance of sites, the flooding implications for certain sites, geotechnical stability and planning opportunities and constraints. The findings of this work are included in an overall feasibility report.

04 M12 Motorway Environmental Impact Statement, NSW
Ramboll is engaged in a client-side embedded role for the EIS for the M12 Motorway. The project is assessed as Critical State Significant Infrastructure under the NSW Environmental Planning and Assessment Act 1979 (EP&A Act), with a referral to the Commonwealth Department of the Environment under the Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) and a streamlined assessment under the Bilateral agreement.

Our team is providing critical technical review and authoring for our partners at Transport for NSW.
05 Regional Waste Facility Feasibility Study, Queensland
This project involved Ramboll working across the Waste, Energy, and Environment and Health business units, in Australia and Denmark, to deliver a project which will inform the rationalisation of waste management across three councils and a water utility in south east Queensland.

We initially undertook an assessment of the existing operating environment which required the assessment of existing waste stream quantity and quality data. We then utilised this data to identify potential technology options for improved efficiencies and sustainability in waste management. The recommended technologies were identified and subjected to a feasibility study.

As part of this, we completed a preliminary environmental constraints analysis of potential locations for the recommended facilities, and mapping of the necessary approval pathways.

06 Kwinana Waste to Energy Project, Cumulative Air Emissions and Waste Residues Studies, Western Australia
The Kwinana Waste to Energy (WtE) Facility is the first large scale WtE facility to be developed in Australia. The plant will eventually process 400,000 tpa of municipal waste and convert this to energy which is incorporated into Perth’s energy network. It is an exciting development in renewable energy nationally.

Ramboll was the technical and environmental advisor pre-financial closure and assisted securing financial closure. The key technical capabilities implemented by us were air quality assessments and the assessment of potential re-use and disposal options for waste products generated as a part of the project. The site is in the Kwinana Industrial area and required complex air dispersion modelling to inform cumulative impact assessment within the existing industrial area. We are now the owners engineer, including environmental compliance and auditing through design and construction. Construction has commenced and the Plant will be commissioned in 2021.

07 Net Environmental Benefit Analysis – Decommissioning Alternatives for Griffin Field, Western Australia
Ramboll assisted BHP Billiton Petroleum Pty Ltd in performing a Net Environmental Benefit Analysis for the Griffin Field located off the Coast of Western Australia. The approach was aimed at determining the most appropriate decommissioning scenarios based upon an understanding of the influence that various decommissioning options may have on the following factors: environment, health and safety, short and long-term risks, technical feasibility and economy.
LEADERS

OUR TEAM

Curricula vitae for our Australia and New Zealand environmental impact assessment team can be provided upon request.

John Miragliotta – Principal, Perth
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John has over 30 years of experience with environmental impact assessment and environmental management planning for energy, oil and gas, mining and infrastructure projects globally.

John’s experience includes managing Environmental and Social Impact Assessments (ESIA) project teams and developing and implementing ESIA studies to meet national compliance requirements and standards established by International Financial Institutions, export credit agencies and commercial lenders.

John leads Ramboll’s ESIA services in the Asia-Pacific region, where he coordinates a range of technical expertise from various country offices to deliver impact assessment and provide independent advice for internationally financed projects.

With his extensive experience and knowledge, John is ideally placed to assist project sponsors and lenders to achieve development in accordance with sustainable development objectives. John’s core capabilities are with the environmental assessment and management of oil and gas, mining, industrial and energy projects. His international work includes delivery of consultancy services in Indonesia, China, PNG, New Zealand, Mongolia, Albania, Hungary, Mauritania, Italy, Russia, Kazakhstan, India, Thailand, Azerbaijan, Turkey, Myanmar, Malasia, Sri Lanka and the Kyrgyz Republic.

Shaun Taylor – Senior Managing Consultant, Hunter
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Shaun has more than 20 years of environmental consulting experience in Australia and the Middle East, primarily in the field of environmental impact assessments, management and approvals. Shaun has extensive experience in the management of multidisciplinary teams, having managed various environmental assessment and management projects.

His experience is across a wide range of developments including numerous linear infrastructure developments (electrical power transmission, gas supply, water and sewer infrastructure; roads and bridges; and rail and associated infrastructure); waste management infrastructure; contaminated site remediation and demolition; industrial and manufacturing facilities; and commercial and tourism developments.

The role of managing environmental assessments also requires good iterative relationships with, and an understanding of the requirements of, the associated engineering design teams; the infrastructure owners and managers, and stakeholder engagement teams. Shaun has great experience of successfully and productively working with these teams to develop good environmental, economic and social outcomes for projects.

Jon is experienced across all phases of major project management and development, from route selection and value management in the concept design phase to the preparation of environmental impact assessment and management documents, briefing documents and tender assessments; and on-site environmental and design compliance management for large-scale infrastructure projects.

Jon prides himself on building close and transparent working relationships with client partners to develop a strong understanding of project objectives and client organisational needs. He strives to work collaboratively in partnership with clients as opposed to the traditional client-consultant relationships, to develop innovative solutions with project-focused outcomes.

Jon is Managing Principal of Ramboll’s Sydney office.

Sharon Dines – Managing Principal, Auckland
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Sharon has over twenty years of experience in environmental and resource management planning in both the corporate and consulting fields.

She has extensive experience in providing strategic resource management advice, managing environmental projects and multidisciplinary project teams, preparing assessments of environmental effects (EIAs), managing stakeholder engagement and acquiring resource management approvals.

Sharon has successfully managed several EIA and permitting processes for large and often complex industry and infrastructure projects in the rural, dairy, water, energy, government and port sectors throughout New Zealand. She has appeared as an expert witness in Council, Environment Court and Board of Inquiry hearing processes.

Sharon has a strong understanding of client’s business needs as a result of her direct experience in the corporate arena with some of the larger companies in the energy and dairy sectors. She enjoys collaborating with clients to develop innovative solutions that exceed expectations and provide positive environmental outcomes.
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