



ENVIROSPHERE
consulting

CAPABILITIES STATEMENT

DEVELOPMENT, INFRASTRUCTURE &
ECOTOURISM



Planning, Delivering & Managing for a Sustainable Future - Now



MISSION STATEMENT

We contribute to maintaining a healthier, more diverse and enjoyable planet to live on by providing high value, sustainable, environmental outcomes through scientific analysis, detailed planning, design and delivery of practical business solutions.



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HISTORY

ENVIROSPHERE CONSULTING



We have been consulting since 2010.

Envirosphere Consulting has been delivering practical & sustainable solutions since 2010.



Envirosphere Consulting's evolution to a dedicated team of environmental consultants and a broad network of associates is proof of our capability to deliver the very best environmental, economic and social outcomes for a diverse range of projects of increasing complexity.

At Envirosphere we have helped our clients achieve their goals in intensive agriculture and processing industries, natural resource management, sustainable rural production, urban residential and rural development, infrastructure delivery, ecotourism, nature-based recreation and natural areas management.

With a demonstrated ability to deliver, and a growing base of satisfied clients we are confident in our capabilities and have a positive outlook for our future in helping all organisations we work with to achieve better outcomes.

THE ENVIROSPHERE WAY



Serving your needs is our priority and we do this through a process of seeking to understand your unique situation first and then developing an appropriate and cost-effective way to overcome your challenges and achieve your goals.

High Value

Our style of consulting focuses on ensuring you get the best outcome for your project while addressing key requirements of the regulator. We do this by providing hands-on involvement throughout the lifecycle of your project.

Scientific Analysis

Envirosphere follows rigorous scientific methodologies to provide consistent and high-quality assessments, data analysis, reports, programs and solutions for our clients. While our consultants have a wide range of skills, knowledge and experience, Envirosphere's expansive network of specialist associates and academics assist with tasks such as experimental design, legislative advice and high end scientific analysis for more complex and sensitive projects.

Practical and Sustainable

We believe the best outcomes are achieved through win-win situations, resulting in a balance between the needs of our client and the environment. Our focus is on achieving good economic, social and environmental outcomes for all clients we work with. This approach has benefited costs and outcomes across all our projects by smoothing the pathway to approval, increasing product value for developers, reducing future maintenance burdens for land managers, and increasing and maintaining production for agricultural producers. We take the time to listen to our clients and understand their situation. We value the knowledge that is inherent in our clients and we integrate their knowledge with our industry understanding and experience to benefit their project.

Quality Control

Adhering to our Quality Control procedure produces consistent results and allows us to ensure a lower level of risk for each project we work on. Following our policy and procedure also ensures consistent results.

SERVICES CHAIN OVERVIEW



Envirosphere's chain of services are covered under five broad categories which include: Foresight, Planning and Design, Management, Environmental Monitoring and Sustainability. We operate at all points along the services chain from Foresight – conceptual design and feasibility right through to the later stages of environmental monitoring and implementing sustainability management actions.

Envirosphere's services are diverse and cover most sectors of the environmental field. Our specialist services include: Terrestrial and Aquatic Ecology, Soil Science, Ecological Restoration Management Planning, Land Assessment and Management, Landscape Architecture, Arboriculture Consulting and Environmental Monitoring.



FORESIGHT

Foresight

Envirosphere assists with foresight and vision to bring your project to life. This critical first step in project realisation looks at the environmental aspects and whether the project or land use is feasible, identifies strategic goals, looks at environmental risk and seeks out opportunities or environmental value-adds and ways to ensure sustainability.



PLANNING &
DESIGN

Planning and Design

Our planning and design services ensures that your project meets all necessary environmental compliance legislation and guidelines, that all competing and conflicting parameters are reviewed and addressed, logical steps are set out, synergies are identified and utilised and government regulator's reporting requirements are met.



Management

Envirosphere manages environmental projects and complex environmental components of major projects. We can take the lead and implement, manage and quality control all aspects of a project or work with Project Directors and project teams to implement works.

Our network of associates allows us to project manage the implementation of on-ground works. We source and manage contractors where needed in ecological restoration, vegetation management, track/trail and boardwalk construction, landscape implementation, fauna and habitat management and enhancement and a range of other environmental projects.



Environmental Monitoring

We will undertake monitoring to meet regulators guidelines or for scientific purposes to understand critical aspects of project implementation, success outcomes and identify areas for improvement.

At the forefront of technology, we utilise drones for physical inspections of natural assets and infrastructure, surveys for inaccessible or “difficult to access” sites and for monitoring of river catchments, broad-scale weed infestations, large revegetation and forestry plots and areas affected by bushfire. Coupled with GIS database technology, our use of drones has increased our environmental monitoring capacity.



Sustainability

Our aim is to bring the principles of environmental sustainability to all the industries that we work with. Through foresight we can identify environmental value-adds or undertake works in a more sustainable way, without significant extra costs to our project partners.

Thoughtful planning ensures that projects and programs reflect all environmental, social and economic opportunities and constraints and that designs are integrated, meet high standards and are practical and implementable. Finally, through our monitoring services we confirm project successes and report our findings to the Government regulators and implement adaptive management principles where needed to achieve project improvements.

We strongly believe in and use the principles of adaptive management to learn and to ensure continuous improvement in Environmental management.



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Development, Infrastructure & Ecotourism

We have many clients that we assist in the development, infrastructure and business areas, which include for example Developers, Town Planners, Project Managers, Construction Companies, Eco-tourism and Nature-based Recreation Operators.

There are numerous pieces of legislation, regulations, guidelines and responsibilities related to development and infrastructure provision in both the public and private sectors, which is why it is essential to engage the services of an experienced agency such as Envirosphere Consulting, to smooth the pathway and achieve the necessary approvals. Our team understands the industry requirements for applications, documentation and quality assurance, design, planning, reporting and delivery. Our goal is to work with our clients and provide key environmental aspects for the pre-design, location selection and options analysis phases of projects to ensure successful outcomes.

Examples of services we can provide to businesses to assist them to deliver quality service to their clients:

- Environmental application drafting and submission
- Ecological analysis (including terrain analysis, bio-condition assessments, vegetation and fauna surveys)
- Impact assessments
- Liaison with regulatory agencies
- Environmental project contractor supervision and management, options evaluation, business case analysis, process review and decision support for environmental issues
- Stakeholder engagement and consultation
- Environmental monitoring
- Drone surveys, monitoring and aerial photography
- GIS data capture and presentation
- Landscape architecture design and drawings
- Vegetation clearing plans and spotter catcher services
- Arboricultural assessments
- Soils investigations and sediment and erosion control plans

Client Type: Rural Development

Services: Ecological Planning, Design, Vegetation Monitoring & Project Management of Ongoing Ecological Restoration

This example rural development site encompasses a subdivision of 24 prestige acreage lots and approximately 85 hectares of associated environmental reserves. Envirosphere Consulting has provided environmental advice and ecological restoration guidance since 2010 and still works with and represents the client, with compliance aspects of the

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project and project management of environmental and landscape works in conjunction with RPS (Gold Coast).

Envirosphere Consulting's Principal Consultant has been a pivotal influence in this project as the lead consultant for the ecological restoration design, management planning and implementation of the project. Also contracted as an independent natural areas project manager, Envirosphere Consulting has overseen the implementation of earlier management planning and associated restoration works and parks infrastructure throughout the site.

Client Type: Outdoor Recreation & Ecotourism

Services: Ecological Assessment, Environmental Planning and Reporting & Expert Witness for Planning and Environment Court Appeal

This integrated ecotourism development and outdoor recreational facility is located in the Gold Coast Hinterland. The development incorporates extensive outdoor recreation activities in a high value ecological area. It includes strategically placed zip lines, Tibetan suspension bridges, mountain biking trails, a picnic area, a camping site, a walking trail and related infrastructure. The development requires several facilities and constructions such as a visitor complex, café area, toilet/shower facility and a bike service/ hire shop which are located in a previously cleared area, which has been significantly modified.

Envirosphere Consulting has been working with the proponent over several years on major facets of the development to establish a detailed understanding of the environmental values of the property. We have undertaken the necessary studies, assessments and planning to support the development application for the project.

Over this period, Envirosphere Consulting has completed:

- Detailed Terrestrial Ecological Assessment of the site;
- Guided our client through the Federal EPBC Referral process and produced a comprehensive Conservation Management Plan;
- Ecological Restoration Management Plan;
- Bushfire Clearing and Tree Removal Management Plan;
- Pest Animal Monitoring and Management Plan;
- Impact Management Plan for dealing with protected flora matters listed under state legislation;
- Envirosphere Consulting has also provided expert witness testimony in the Planning and Environment Court, in relation to the development and worked with the client to achieve the final approvals.

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Client Type: Nature-based Recreation Events Business

Services: Environmental Impact Assessment

Our client hosts an endurance trail run in the Gold Coast Hinterland each year. The 50km event is organised and run by a business specialising in events held in outdoor natural environments. Envirosphere Consulting was engaged by the client to undertake an Impact Assessment, including pre-and post-event monitoring.

Eight (8) pre-determined sites required monitoring, along with an additional trail survey along one of the circuit's that was approximately 4.9 km in length. The sites as identified by Queensland Parks and Wildlife Service (QPWS) were outlined in the Environmental Impact Assessment Design Brief for the event.

Site selection was based on potential for impacts to vegetation and fauna habitat, potential for erosion, human impact on trails and water quality monitoring. Site selection also depended to some degree on the nature of the event and areas of likely or known impact e.g. competitors traversing muddy surfaces and creek crossings. Envirosphere Consulting's monitoring satisfied the approval conditions for the event, and the subsequent report highlighted findings and opportunities for improvements to be made to future events.

Client Type: Town Planner

Services: Sustainable Planning and Design

Envirosphere Consulting was invited by one of our town planning associates to provide sustainable planning and design advice for new housing options in Queensland to meet community, urban and environmental challenges – filling the gap between single lot dwellings and high-rise apartment blocks.

We provided design advice via three streams:

- Reporting and presentation by utilising programs such as Microsoft Publisher;
- 3D design utilising Google Sketchup; and
- Through verbal correspondence during team meetings with our project partners.

Having a keen interest in innovative technologies and designs we worked with our client to present practical solutions to contemporary issues facing Australians in the housing market. Innovations researched were home biogas, bio-shading, appropriate selection of plants, vertical garden designs, rooftop gardens, grey water, permeable driveways and recycled building materials sourced locally. These themes were then critiqued and modified or

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refined to provide the most practical outcome and applied to the building design. The result of this collaboration across the disciplines of town planning, architecture and environment was a well-designed product that will likely influence the evolution of housing from the poorly designed 'McMansion' to a form fitting, sustainable, affordable and livable home for future Australians.

Client Type: Development and Infrastructure

Services: Environmental Impact Assessment

Envirosphere carried out an extensive assessment over a 2.3 kilometre alignment for a new rising sewerage main which would potentially impact on 'of concern' and 'endangered' vegetation. Our team assessed legislative requirements and undertook a detailed field survey which captured information on the various vegetation communities including the structure, diversity and health of each community. In addition, we located, identified and mapped significant trees, habitat and fauna species found onsite.

As part of the project, we provided our client with a range of recommendations for meeting legislative requirements and mitigation measures for minimising environmental impacts.

Development Infrastructure & Ecotourism

Envirosphere clients in this sector include Developers, Town Planners, Project Managers, Event Companies, Real Estates, Construction Companies, Eco-tourism and Nature-based Recreation Operators.

There are numerous legislative and regulatory responsibilities related to development and infrastructure provision in both the public and private sectors. Experienced consultants at Envirosphere understand Council processes, State and Commonwealth government requirements and smooth the pathway to achieve the necessary approvals. Our team keeps up to date with legislative changes and industry requirements for applications, reports, management plans and project implementation.

Intensive Industries

Our clients in this industry sector include Quarries, Resources, Intensive Agriculture, Energy and Industrial companies. Businesses in this sector generally operate under an Environment Authority (EA) and are often perceived as higher risk operations or are business that produce waste streams that must be carefully managed.

We understand EA requirements for intensive industries and have been involved with design, planning construction and ongoing operations. We work with our industry clients to provide key environmental information in the predesign, site selection and analysis phases of projects and we continue to offer environmental management advice and support our clients throughout the operational life of their business.

Government & Natural Resource Managers

Envirosphere clients in this sector include State and Local Government Agencies, Landcare, Water Resources, Parks and Wildlife Service, Private Conservation Land Managers, Catchment Groups and Indigenous Land Managers.

We have extensive experience in working with conservation land managers in both the public and private sector. Envirosphere has an excellent understanding of the specific needs of conservation land managers and the unique opportunities and challenges facing this sector. Our experienced team work side-by-side with our conservation land management clients to increase their environmental knowledge and improve management of their land. We regularly prepare individual property plans and integrated conservation estate management plans that help our clients protect and enhance the lands that they manage. Our services also include the development of programs, brochures, interpretive signage and media to provide conservation based communications and feedback to stakeholder groups and the wider public.

Sustainable Rural Production

Our clients in this sector include Private Landholders, Rural Producers, Graziers, Poultry Farmers and Producer Groups that are seeking to run their businesses and manage their land in a more environmentally sustainable way.

The team at Envirosphere appreciates the diverse needs of rural landholders and approaches to managing the unique opportunities and challenges facing every business owner. We work with our rural landholder clients to improve their understanding of the natural environmental values of their land, move from traditional farming methods to more ecologically viable practices, help identify and prepare plans to restore degraded land, assist with pest management issues and related land management challenges. We also identify potential impacts from farming activities and devise management strategies for improved agricultural practices, to achieve our client's vision of Sustainable Rural Production.



ENVIROSPHERE CONSULTING CLIENTS

AJ Bush & Sons (Manufactures) Pty Ltd	Logan & Albert Catchments (LARC)
Australian Residential Corporation Pty Ltd	Logan City Council
Boral	Mishani Pty Ltd
Brisbane Valley Protein Pty Ltd	Mortons Urban Solutions
Bushcare Services	Natura Pacific
Bushland Protection Systems	Ngarang-Wal Gold Coast Aboriginal Association
Cardno	Ownit Homes
Christian Heritage College	Pacific Land & Ecological Sciences
Cliff Face Pty Ltd	Pip Consulting
Conhur	Regency Constructions (Qld) Pty Ltd
Dixon Homes	RPS Group
Eco-balance	SEQ Catchments
Eurofinance Pty Ltd	SEQWater
Ghost Gum Developments Pty Ltd	SoiLife Australia
Gold Coast City Council	Spaceframe Buildings Pty Ltd
Grandcare Systems	Sunshine Coast Regional Council
Guanaba Experience	Taylor Willis Town Planners
Horseshoe Properties Pty Ltd	Those Guys Events
Jagen Pty Ltd	Tombolo Pty Ltd
LM Planning Solutions	Welbourne Group

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