



AN **O2M** GROUP COMPANY

Marine Environmental Specialists



THE **O2M** GROUP OF COMPANIES



O2 MARINE is a highly specialised marine environmental consulting business and founding company of the O2M Group. The O2 MARINE team comprises marine scientists and ecologists who specialise in projects where a specific risk to the marine environment has been identified and MUST be effectively managed to mitigate impacts. O2 MARINE understands that these risks pose a threat, not only to realisation of project objectives, but also to irreparable damage to the marine environment.

The technical focus of our business allows us to hone methods, develop IP, understand legislation and build relationships with regulatory authorities that multi-discipline providers cannot. We pride ourselves on being both mariners and marine scientists,

ensuring that practicality and common sense are always critical factors in our approach to our project delivery.

We are industry-recognised leaders in the fields of marine environmental impact assessment and monitoring, port-specific

environmental compliance monitoring, marine environmental management planning and approvals, dredging environmental management and marine fauna.



SERVICES



Marine Environmental Management

- Marine Environmental Management Plans
- Marine Monitoring and Sampling Analysis Plans
- Dredging and Spoil Disposal Management Plans
- Coastal Management Plans
- Marine Risk Assessments (Including Workshop Facilitation)
- State and Commonwealth Project Referrals
- Environment Plans
- Oil Spill Response & Scientific Monitoring Plans



Marine Environmental Assessment & Monitoring

- Subtidal Benthic Habitat (Coral & Seagrass) Surveys
- Mangrove Surveys
- Benthic Habitat Mapping
- Sediment Quality Investigations
- Water Quality Monitoring



Marine Fauna

- Charismatic Megafauna Studies
- Marine Fauna Observers (MFO)
- MFO Training Packages
- Fish Surveys
- Benthic Infauna Studies
- Introduced Marine Pest Survey & Risk Assessment

SECTORS



Ports & Harbours

Our specialist expertise is critical in supporting Port managers to better understand and manage the marine environment in which they operate.



Energy & Resources

We support coastal and offshore energy projects through clear planning and implementation of environmental, meteorological and oceanographic assessments.



Water & Wastewater

We provide targeted investigations, baseline monitoring, numerical modelling and expert advice to inform effective environmental management of ocean outfalls and wastewater discharges.

TECHNIQUES & EQUIPMENT

Subsea Instruments

- In-situ Water Quality Instruments
Multispectral light, Turbidity, CTD, pH, Dissolved Oxygen
- Water Column Profilers
YSI, In-situ Marine Optics & Hydrolab
- ADCPs & Wave Buoys



Survey Equipment

- Side Scan Sonar Systems
- Multibeam & Single Beam Echosounder Systems
- ROV & Towed/Drop Camera Video Systems
- Baited Remote Underwater Video Systems (BRUVs)
- UAV systems
Multispectral & Aerial Imagery

Data Management & Analysis

- Remote Telemetered Monitoring Systems
- Secure Online Data Storage & Visualisation Platform
o2marine.eagle.io
- Geographical Information Systems (QGIS)
- Statistical Analysis *R, Primer, SPSS*
- Remote Sensing Imagery Interpretation

Samplers

- Water Samplers
Depth-integrated pumps, Van Dorn & Niskin Samplers
- Sediment Grabs
Van Veen, Ponar, Day Grab & Box Corer
- Sediment Corers
Vibro-corer, diver hand corers

Commercial Equipment

- Scuba & Surface-supplied (SSBA) Diving Equipment
- Commercial Vessels
Ranging in size from 4m - 20m
- Equipment Wet-testing Facilities
Based in Fremantle
- 4wd Vehicles



LOCATIONS

We have experience throughout Australia, ranging from the remote waters of Far North Queensland in the east, to the cyclone-ravaged Pilbara coastline in the west, and the unique estuarine environments in the far south of Western Australia. Internationally, our team has experience from the oil fields of the Arabian Gulf and the North Sea, throughout Southeast Asia, the Pacific Islands and in the remote Australian Ports of the Christmas & Cocos Islands.



**Enhancing delivery and fostering innovation
within our marine specialist companies**

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