

Turning science into solutions



PML Applications Ltd

A Plymouth Marine Laboratory trading subsidiary

To discuss any of your requirements and/or to find out more about PML Applications Ltd please contact:

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Real People - Real Science - Real Solutions

About



Delivering services that meet existing and future industry needs, PML Applications Ltd is commercialising a wide range of products and solutions spanning many sectors.

PML Applications' range of specialist expertise, services, facilities and expertise in managing large complex projects brings a unique value to projects. Our customers include those at both the R&D and commercialisation stage; covering a broad spectrum such as consultancies, healthcare and pharmaceutical, large corporations, government, research councils, environmental managers and the shipping industry.

Set up by Plymouth Marine Laboratory in 2002, PML Applications Ltd is concerned with the development and application of outputs from science and technology carried out within Plymouth Marine Laboratory (PML) as well as developing its own more applied science and business opportunities

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Providing solutions from science is our passion. We recognise that the key to customer satisfaction is to anticipate customer needs and develop new technologies and innovative solutions that provide our customers with a distinct advantage.

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Prof Stephen de Mora
Chief Executive, PML Applications



Services

Shipping, ballast water & biofouling

PML Applications Ltd specialises in proof-of-concept work for ballast water treatment developers and offers services for all stages of technology development. It provides antifouling technology screening for clients seeking antifouling technology for conventional and niche applications, in addition to bespoke research programmes.

Biodiscovery and biotechnology

Marine micro-organisms (viruses, bacteria & micro-algae) represent the largest unexploited biotechnological resource on the planet. PML Applications provides expertise in: marine bacterial and extract culture collection; isolation of novel marine microbes (from algae, bacteria and viruses) for applications in drug discovery, biocatalysis, healthcare and bio-energy; and screening capability for bioactivities and isolation of natural products and enzymes.

Consultancy and capacity building

PML Applications experts are highly skilled consultants and apply their knowledge from cutting edge marine research to ensure that the advice we offer is tailored to our customers needs. In addition, it has access to world-class experts across the range of Plymouth Marine Laboratory (PML) science. Together they make for a powerful workforce and provide a sound platform for efficient project delivery.

3D Data visualisation

Offering high quality 3D software models for use in environmental management and environmental impact assessment. The high degree of realism and the flexible nature of the software models make it a powerful and economic tool for visually modelling and communicating change in the environment.

Ecosystem goods & services

PML Applications Ltd, in collaboration with Plymouth Marine Laboratory (PML), is at the forefront of developing tools for integrating the socio-economic dimension with our well established marine science expertise, to ensure that the value of biodiversity and ecosystem services is adequately captured in all types of assessment and evaluation.

Environmental monitoring

Providing and developing tools to support ecosystem based management initiatives, answering questions concerning climate change, marine resource management and prediction of future trends.

Fisheries & aquaculture

Applications of PML science include: use of remote sensing to support strategic studies for aquaculture development; determination of baseline conditions and ecosystem functioning in potential aquaculture development locations; modelling site specific aquaculture potential (including shellfish and algae) as well as carrying capacity in multi-species systems; and novel technology for monitoring harmful algal blooms (HABs), water quality and food supply.

Marine renewables

Environmental and socio-economic research to support development of the low carbon energy sector cuts across all of PML Applications Ltd and Plymouth Marine Laboratory's (PML) research capabilities and interests, whether biodiversity and ecosystem functioning, ecotoxicology and biofouling, remote sensing applications or socio-economic valuation.