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Prothea will provide to the Government of Cyprus services for the implementation of the Water Framework Directive

Prothea, thanks to its technical capacity and to its academic network, has been involved in the implementation of the Water Framework Directive in Europe. Its experience in developing innovative methods for the management of water resources has lead Prothea to be considered a reliable partner of governments and utility companies for ensuring environmental compliance.

The Water Development Department of the Cyprus Government has commissioned to Prothea services for the implementation of a modern and efficient biomonitoring network and to support the European Inter-Calibration process. This projects will last two years and will see several field campaigns involving local staff, the development of innovative bio-assessment methods, and support for compliance at European level regarding the management of temporary rivers in Cyprus.

"This collaboration and know-how transfer with the Government of Cyprus is a unique opportunity to provide this new European Member State with a modern and innovative monitoring network of environmental quality as well as an informed management system for a key resource in this Mediterranean Country" states Daniele Demartini, Project Manager at Prothea.

About Prothea

Prothea is active in the water and renewable energy sectors. We are based in Italy (Milan) and UK (London) and active in France, Cyprus and other Mediterranean countries.

With the vast experience of our technical staff and network of strategic partners, Prothea offers environmental consultancy services to the water sector.

Prothea has a strong partnership with the academic and research sector which guarantees a constant update in applied ecology and environmental assessment knowledge.

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Water Consultancy

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Mission

Climate change is the most important science issue of the 21st century, challenging the very structure of our global society. Climate change is not just a scientific concern, but encompasses economics, sociology, geopolitics, local politics and individuals' choice of lifestyle

- At Prothea, we care about the environment and the critical issues facing it
- Accordingly, we act in three strategic areas:
 - Education
 - Water consultancy
 - Renewable Energy
- Our team is made of educators, ecologists, water consultants and renewable energy professionals
- Together, we support companies and private citizens, schools and universities, public administrations and NGOs to structure and run projects that will achieve environmental, social and economic benefits

Water consultancy: General framework

- Reducing availability and deteriorating quality of the water resource is treating our social and business environment; the European Union (EU) is reacting to this issuing new regulation for private companies and public bodies, putting them under the pressure of compliance
- With the vast experience of our technical staff and network of strategic partners, Prothea offers water consultancy services, providing solutions for water protection and management
- Prothea has a strong partnership with the academic and research sector which guarantees a constant update in the most advanced techniques and technologies
- Our services are focused on:
 - Ecological quality assessment
 - Freshwater ecosystem management
 - Technical education
 - Tenders and grants

Water consultancy: EU regulation

- The Water Framework Directive (WFD) requires that water resources must be in good ecological and chemical status by 2015. This means that water resources need to be studied to assess their current condition and to ensure they meet a “good status”
- As water resources are under treat from several pressures, i.e. water abstraction, release of pollutant, morphological alteration, most of European water bodies are in need of intense remediation actions
- Complementing the WFD requirements, the EU has taken actions to protect the wildlife and the flora populating our waters. The Habitat Directive incorporates a list of habitat and species that have to be conserved in Europe
- This binding legal framework implies that private and public entities have to take direct actions to control environmental impact and to monitor, protect and restore water resources

Water consultancy: Our services

Ecological quality assessment

- Analysis of running and standing water using modern methodologies that fulfil the EU Water Framework Directive (EC/2000/60)
- Physical-Chemical, Microbiological, Geological and Hydro-morphological analysis using state of the art technologies
- Analysis of biological indicators and biodiversity

Freshwater ecosystem management

- National and Regional Environmental impact assessment
- Ecological flow requirement evaluation
- Management plan of freshwater protected areas
- Environmental database and software development/management
- Biodiversity conservation plan
- Management and technological innovation for the water infrastructure

Water consultancy: Our services

Management and technological innovation for the water infrastructure

- Development of opportunities of technological change transfer
- Research and Development of innovative technology in the water sector
- • Consulting on the management of water resources

Technical education

- Technical education in the water sector oriented to public institution (Environment agencies, Universities) and private sector (environmental consultancies, engineering firms)
- Organization of training courses, workshops, round tables and conferences

Tenders and grants

- Accessing, in partnership with private and public bodies, to service contracts and funding opportunities in the water sector
- Participating projects in developed and developing countries

Our projects

Implementation of an ecological assessment and monitoring system for permanent rivers in Cyprus

Client: Water Development Department - Republic of Cyprus

Development of best practices for river management in agriculturally dominated areas

Client: Northern Apulia Water body authority

Hydro-ecological impact of dam developments

Client: CVA Valle D'Aosta (Regional Utility company)

Improving environmental standard of the water drainage system in the city of Munhava-beira
(Mozambique)

Client: Local municipality, project funded by Italian Foreign Affairs and Lombardy Region

Assessment of the impact of climate change in European rivers

Client: Research consortium, project funded by European Commission - Framework Programme 6

Partners and collaborations

✓ Universities and Research Centres



Centre for Ecology & Hydrology
NATURAL ENVIRONMENT RESEARCH COUNCIL

✓ NGOs



✓ Governmental bodies



Contacts



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