




	Project title		Environmental Impact Assessment of the New Port of Elefsina					
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partner(s) [if any]
	Greece	23.477,62	87,50%	4	Ministry of Environment, Physical Planning and Public Works	Ministry of Environment, Physical Planning and Public Works	1993 - 1994	ME.T.ER. TECHNICAL STUDIES, PANAGIOTIS BAMPILIS AND ASSOCIATES EE
Detailed description of project						Type of services provided		
  <p>Construction of new port facilities, western of the existing port, in the great Elefsina area. The proposed works include breakwater construction, terrestrial area development, seabed dredging, operational equipment for the first section of the new port as follows:</p> <ul style="list-style-type: none"> <li>• Construction of breakwater, length 640m, depth 10m, using large solid artificial stones.</li> <li>• Protection of the sector between the breakwater and the shoreline using large natural stones.</li> <li>• Development of a terrestrial zone behind the breakwater.</li> <li>• Dredging of the seabed in front of the breakwater.</li> <li>• Construction of the top embankment with concrete.</li> <li>• Provision of the necessary equipment for the operation of the breakwater.</li> <li>• Setting of steelrail rolling along the breakwater and protection of the large machines with natural stones.</li> </ul> <p><b>Environmental impacts</b></p> <ul style="list-style-type: none"> <li>• Aerial emissions from working sites and quarries and due to vehicle circulation and ships.</li> <li>• Extraction and dredging material management.</li> <li>• Waste management.</li> <li>• Noise pollution due to works and vehicle movements.</li> <li>• Leakage during the ship stuff disposal.</li> </ul> <p><b>Mitigation measures</b></p> <ul style="list-style-type: none"> <li>• Dredging material management study. Avoidance of sea disposal.</li> <li>• Definition of the ship stuff collection procedure and compliance with the MARPOL1973/78 regulations.</li> <li>• Establishment of a well equipped special department within the Harbor Authority, to deal with oil pollution incidents.</li> <li>• Tree planting.</li> <li>• Tunning of machines and fuel usage under specific restrictions.</li> <li>• Infrastructure network improvement: drainage, road, waste disposal networks, waste collection and transportation measures, development of landfill area.</li> </ul>						<ul style="list-style-type: none"> <li>• Environmental Impact Assessment</li> </ul> 