	Project title		CONSTRUCTION AND OPERATION OF DERIO DAM AND RELATED IRRIGATION WORKS					
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]**
EPSILON	Greece	29.347,03	100%	4	Greek Ministry of Environment, Town Planning and Public Works / D7	Greek Ministry of Environment, Town Planning and Public Works / D7	1991-1995	-

Detailed description of project

Construction and operation of Derio dam and the related irrigation works. The project aims at the irrigation of Erythropotamos low plain fields and the area western side of Evros, from Didimotiho – Soufli to Erythropotamos river delta. Two alternative dam sites have been investigated and studied, downstream and upstream Mikro Derio village. The basic characteristics of the dam project are as follows:

- Yearly dam capacity, 300.000.000m^3.
- Dam height downstream Mikro Derio village, 64m.
- Dam height upstream Mikro Derio village, 72m.
- Dam volume upstream Mikro Derio village, 4.848.000m^3.
- Dam volume downstream Mikro Derio village, 3.368.000m^3

Environmental impacts

- Vegetation removal.
- Soil instability.
- Change of hydrogeology and the qualitative and quantitative water regime.
- Noise and dust emissions.
- Change of land use and local income.
- Decrease of agricultural land flooding.

Mitigation measures

- Management of waste deriving from work sites.
- Recovery of construction sites and quarries (e.g. planting).
- Considerable selection of extraction sites and rational management and disposal of excavation material.
- Construction of terraces, plantation and continous monitoring to ensure slope stability.
- Technical works to reduce pollution of water receivers.
- Investigation of possible relocation sites for Mikro Derio village.

Type of services provided

- Engineering Design proofing
- Environmental Impact Assessment
- Analysis of the Physical Environment
- Analysis of the Biological Environment
- Analysis of the Social and Financial Environment
- Demographics
- Mathematical Modelling
- Rehabilitation Measures design and development
- Awareness Raising
- Environmental Legislation