Project Reference in the Field of

Waste Management

SOLID WASTE MANAGEMENT IN UPPER SILESIA (PHARE), KATOWICE / SILESIA

<table>
<thead>
<tr>
<th>Client</th>
<th>National Fund for Environment Protection and Water Management (NFEP), Warsaw</th>
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</thead>
<tbody>
<tr>
<td>Financing</td>
<td>EU (PHARE)</td>
</tr>
<tr>
<td>Duration of Services</td>
<td>1999 - 2000</td>
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<tr>
<td>Cost of Implementation</td>
<td>800.000 EUR</td>
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**Scope of Services**

- Implementation of a Waste Management Masterplan / Voivodship Silesia
- Foundation of a Waste Management Agency
- Waste Management Concepts for Municipal Associations (Gminas)
- Preparation for EU association (2003), e.g. consulting Services in Packaging Ordinance
- Advise in project financing (Solid Waste Treatment Plants)
- Institutional Strengthening
- Workshops and seminars
Brief Project Description

Main target of the project is to support the implementation of the existing regional master plan for solid waste management, to identify reasonable investment projects and to promote the formation of regional waste associations for a more efficient and environmental sustainable waste management. Background of the project are required adjustments in the field of solid waste management and of environmental standards in Silesia due to the expected joining of the European Union by Poland.

The tasks of the Consultant include the active participation in the current discussion of a polish packaging law, the support and know-how transfer for the establishment of a hazardous waste concept for the Southern region of Poland and the development of a sustained sewage treatment strategy.

It is intended to establish a "Waste Management Agency" (WMA) as designated co-ordinating institution in Silesia. Currently the agency is still under auspices of the municipalities (Mashall). In the medium-term perspective the institution shall develop into a non-profit company with Voivodship, Marshall and "poviats" being the shareholders. Besides the establishment of a legal embodiment this involves also the creation of acceptance of all involved parties such as the administration, the industry and the public. After the successful implementation the WMA may serve as a pilot project for Poland.

The municipalities benefit from the Consulting service through institutional strengthening measures as well as concept studies dealing with recycling of secondary raw materials, sewage treatment and disposal, demolition waste recycling as well as through advise in project financing and international financial and technical engagement in Silesia.

Essential Data on Project

- Area of Silesia 12,250 km²
- Population 4.9 Mio.
- Population density 400 inh./km²
- Household waste 1.7 Mio. t/a
- Industrial waste 70 Mio. t/a
- Hazardous waste 0.2 Mio. t/a

- landfill sites
  - modern landfill sites (more than 100 ha)
  - old small municipal sites
  - around 100 illegal dumps

- Waste treatment facilities
  - incineration plants for hazardous waste
  - sorting plants
  - green waste composting
  - household waste treatment (DANO) plants 3
  - green waste composting and 1 household waste treatment (DANO) plant