

## Feasibility Study for an ISWM Concept for the Diyarbakir Municipality with Simultaneous Consideration of Neighbouring Districts, Turkey

### Project Description

In 2008 INFRASTRUKTUR & UMWELT as the lead consultant in a consortium with SEHLHOFF and ARI-TEK has been assigned to elaborate a Feasibility Study for an integrated solid waste management system for Diyarbakir Metropolitan Municipality (DMM). Diyarbakir city is situated on the banks of the River Tigris in the South-eastern Anatolia region. Diyarbakir city is the capital of the Diyarbakir Province which has 13 more districts. It is a rapid growing city and the population is 800,000 in the capital and 1.5 Mio for the province.

The Feasibility Study considered the full range of municipal waste streams to be managed by Diyarbakir Environmental Service Union (DESU) and assessed the different available waste management options. Based on the specific environmental, economic and social situation the preferred options have been identified and designed on feasibility level. In the light of Turkey's efforts to join European Union (EU), the project has been implemented on the base of EU environmental regulations and all measures have been planned considering European standards.

### Our Services

- Assessment of the present situation and future waste management options;
- Detailed investigation of the pre-selected landfill site including geological, hydro-geological and topographical surveys;
- Preparation of a regional solid waste management concept for DESU and its eleven member municipalities
- Preparation of a road map of the future institutional set-up for the decision makers;
- Making recommendations for the rehabilitation of five dumpsites in the project region;
- Assessment of socio-economic and environmental impacts, financing and cost recovery;
- Cost Benefit Analysis according to EU Guidelines;
- Technical design of proposed project measures;
- Preparation of the application for an EU grant (IPA) for co-financing of the proposed measures.

### Contact

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**Sector:**  
**Solid Waste Management**

**Countries:**  
Turkey

**Location:**  
Province Diyarbakir



**Client:**  
Diyarbakir Metropolitan Municipality

**Financing:**  
KfW Entwicklungsbank

**Duration:**  
2008 – 2011