# Germany

## Planning and Advisory Services for re-engineering a Lignite-Fired Power Plant to Refuse-Derived Fuel

## Client

Private Client

## Objectives

Based on the results of a „Study of the market of biomass and substitute fuel in the German new federal states“, carried out by BC Berlin, the project developer decided to re-set two boiler lines of the existing power plant for firing refuse-derived fuel (RDF) instead of lignite.

The future operation and the long-term fuel supplies requires waste management experience, logistical expertise and corresponding structures to be solved by involvement of a regionally operating waste management company.

## Activities

Because of the extensive market knowledge and the specific planning experience from the first phase of the project, BC Berlin had been entrusted with the delivery of the following services:

- Survey of construction and technical conditions of the site, assessment of the feasibility and of possible risks;
- Development of an exposé with the comprehensive illustration of the opportunities for a participation of a private or public waste management company in the project;
- Search of suitable project partners and suppliers of RDF respectively and conduct of coordination discussions;
- Planning services for the selection of suitable processes for using RDF in consideration of the existing equipment and of possibly necessary additional mechanical treatment processes;
- Identification of existing and future synergies and their inclusion into the planning concept (e.g. planning of a fermentation plant at the site);
- Comprehensive logistical assessments, taking into consideration existing spur tracks;
- Technical and economic feasibility study.

**BC Berlin-Consult GmbH**
Unter den Linden 39 ● 10117 Berlin ● Phone: +49 30 254 67-252 ● Fax: +49 30 254 67-300 ● www.berlin-consult.de