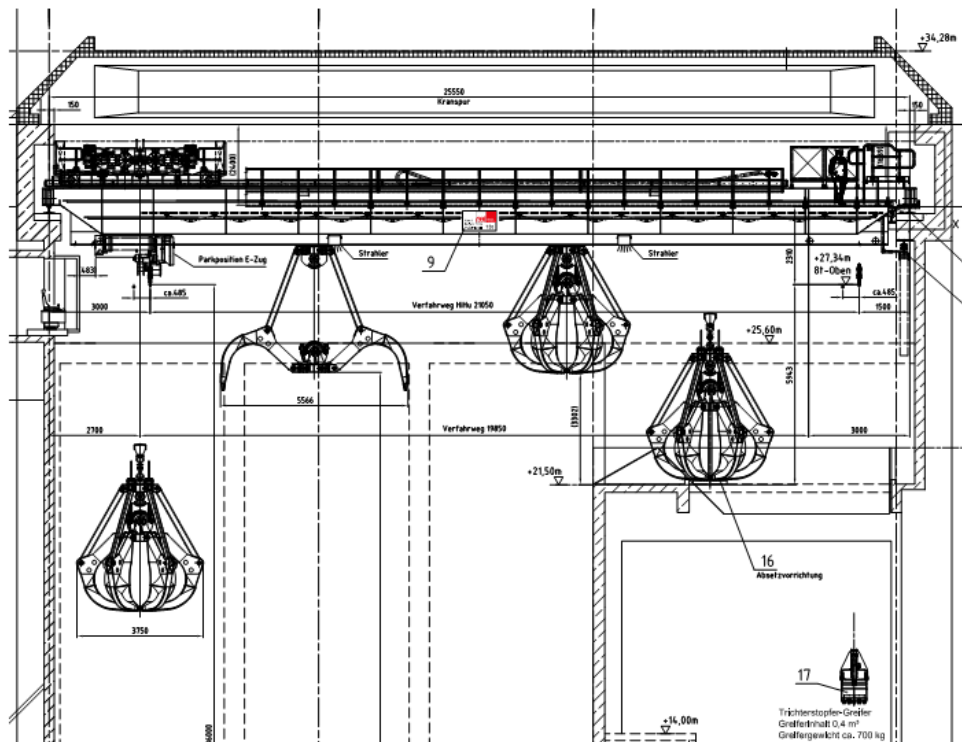


Client: MVA Bielefeld
Project: Retrofit of waste handling crane system
Services: Draft planning, tendering, contract awarding, construction supervision



General

After more than 35 years, the cranes in operation at the incineration plant MVA Bielefeld, had finally come to the end of their service life. The capacity of the plant had been extended in 2008, consequently increasing the load on the cranes and the number of load cycles. This increased load on the cranes has already resulted in bottlenecks in delivery. This situation has been further exacerbated by the increasing number of walking-floor vehicles.

In the future, the new crane system is to facilitate an annual throughput of 440,000 Mg/a for the incineration lines, necessitating an increase in payload and the use of larger grabs. The handling capacity also needs to be increased to ensure more thorough mixing.

When performing this measure, all preparations were made for fully automated operation of the cranes.

An additional switchgear room had been provided for beforehand.

Both cranes were replaced over the bunker roof during two overhaul periods. The requisite increase in throughput could be reliably achieved.

Planning work

The planning work covered the basic evaluation and draft planning as well as tendering, contract awarding and construction supervision.