

Renewal/Extension of the District Heating, Water and Electricity Systems in Weyermannshaus Ost

Client

ewb, Energie Wasser Bern

Project planning / year

IUB Engineering AG / 2010–2011

Construction period

2012/2013

Commissioning

2012/2013

Construction costs (incl. pipes/roads)

Approx. CHF 1.45 million

Scope of services

- Study of alternatives, pre-project, detailed project for construction
- Construction project
- Tendering and bid evaluation
- Project execution incl. cable design
- Electrical works and street lighting
- Construction supervision

Description

The construction of the new Bern-Forsthaus West waste incineration plant at a new location made it necessary to align the main connector routes to the existing district heating distribution network. The project included the renewal of the old district heating system as well as the connection of new residential and commercial buildings to the district heating network. Furthermore, the water and electricity systems were replaced and parts of the road Murtenstrasse were rehabilitated including road drainage by the municipal civil engineering authority.

Main technical data

- Length of new district heating pipe Low-temperature DN 100: 110 m
- Length of new/replaced district heating pipe, medium temperature DN 100 to 150: 360 m
- Length of new cable conduits 6 PE 132/120: 320 m
- Length of new water pipes PE DN 125 to 180: 120 m
- Length of replaced water pipes socket BLS DN 250: 360 m



Project perimeter



Electricity shaft Murtenstrasse



District heating pipes Murtenstrasse

