

Reference Construction Engineering Work

Weser Power Plant, Bremen



Construction of a hydropower plant as a bypass structure next to the Weser weir in Bremen.
Planned output of the turbine plant: 42 million KWh per year.

Construction of 3 bridges over intake structure and fish passage up to SLW 60.

Shield tunneling DN 1600 of the stormwater sewer with slight curve travel

Technical data / main masses:

Soil excavation	50.000 cbm
Concrete / underwater concrete base anchored	20.000 cbm
Reinforcing steel	2.000 to
Shield driving DN 1600	
Watertight sheet pile wall with tieback / bored pile wall	370 m

Contract volume:
13.000.000 €

Client:
Weserkraftwerk GmbH & Co. KG

Contractor:
Hecker Bau GmbH & Co. KG
Now: Depenbrock Ingenieurwasserbau

Construction time:
May 2010 - Jan. 2012

