

TramRegionBern, Subproject 1, K niz

Client

TRB Planning Consortium (Bernmobil, Civil Construction Authority for the City of Bern, Municipality of K niz, Civil Construction Authority of Bern Canton, ewb, WVRB, UPC Cablecom, Swisscom)

Project design in consortium

Preliminary project: 2009–2011
 Construction project: 2012–2013

Construction costs (utility lines)

Approx. CHF 35 million (cost estimate construction project)

Scope of services

Planning of preliminary project and construction project

Description

Project planning for replacement and construction of utility lines for the execution of the project TramRegionBern. Cost estimate and breakdown for utility lines component.

Main data

Water pipelines	DN 200	6,100m
Water transmission line	DN 300	700m
Gas pipeline	DN200	2,300m
Cable conduits (electrical systems, LSA, fibre optic cables, control cables)	total	33,400m
Road and track drainage	DN 200	5,500m
District heating	DN 250	30m
Sewage system (mixed water/storm water)	DN 300–800	1,500m
Sewage system house connections	DN 200–300	1,300m
Sewage system shafts	DN 60/90/110	80 pcs.
Fibre optic cable shafts	Langmatz	7 pcs.
Road drainage shafts	DN 60/90/110	54 pcs.
Road drainage shafts	DN 60/80	12 pcs.
Sewage shafts	DN 60/80	19 pcs.
Swisscom shaft adaptations	total	43 pcs.
Sewage shafts	in situ concrete	7 pcs.
LSA shafts	DN 60/80	177 pcs.
Water pipeline	DN 200	6,100m
Water transmission line	DN 300	700m

