



04_TRANSPORTATION

Bergen Light Rail

Nesttun - Rådalen section



Bergen Light Rail | Photo: Jan Magne Sviland

Bergen Light Rail consists of 20 km of double track from the city centre to the airport at Flesland, built in three project phases. Multiconsult was given the task of designing the second phase.

The project forms part of the Bergen programme for transport, urban development and the environment, which aims to coordinate investment in public transport, environmental improvements, pedestrian and cycle paths and roads over the twenty-year period 2005-2025.

The first project phase, comprising 10 km of double track between the city centre and Nesttun, entered service in summer 2010. The second phase between Nesttun and Rådalen, consisting of 3.6 km of double track, was completed in 2013.

PROJECT

Bergen Light Rail

PROJECT TYPE

Detailed Development Plan, Detailed Design, Site Inspections, Master Plan, Feasibility Study

LOCATION

City of Bergen, Hordaland county

CLIENT

Hordaland county council, represented by Bergen Light Rail Construction (BU)

KEY NUMBERS

3.6 km section | Cost: approximately NOK 1.3 billion

SCOPE OF WORK

Multiconsult was given the task of designing the second phase. The project involved all of the engineering for the section of line from Nesttun to Rådal, including all of the activities involved in the preliminary design and zoning plan for the section.

Our subcontractors for the contract were Asplan Viak, Cubus, Atkins, Smidt & Ingebrigtsen and Kompas, which is now part of Multiconsult.

DISCIPLINES

- Electrical engineering
- HVAC
- Water supply and wastewater engineering
- Fire safety
- Structural engineering
- Geotechnical engineering
- Landscape architecture
- Highway engineering
- Acoustical engineering
- Environmental geology
- Structural surveying
- Quality, Health, Safety and the Environment
- Engineering Geology

OUR SERVICES

- Preparatory works
- Substructures incl. tunnels
- Structures
- Superstructures
- Temporary works
- Landfill
- Service buildings
- Tracks
- Electricity supply
- Cable ducts for signalling and telecommunications systems including passenger information systems
- Cable ducts for communication systems
- Terminals/stations
- Design and integration with roads
- Noise mitigation
- Redesigning road layouts
- Bus lanes
- Traffic management plans
- Park and ride facilities
- Underground services
- Public transport terminal and multi-storey car park



Test running Bergen Light Rail | Photo: BT



Top: Bergen Light Rail | Photo: Jan Magne Sviland
Bottom: Bergen Light Rail | Photo: Jan Magne Sviland

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