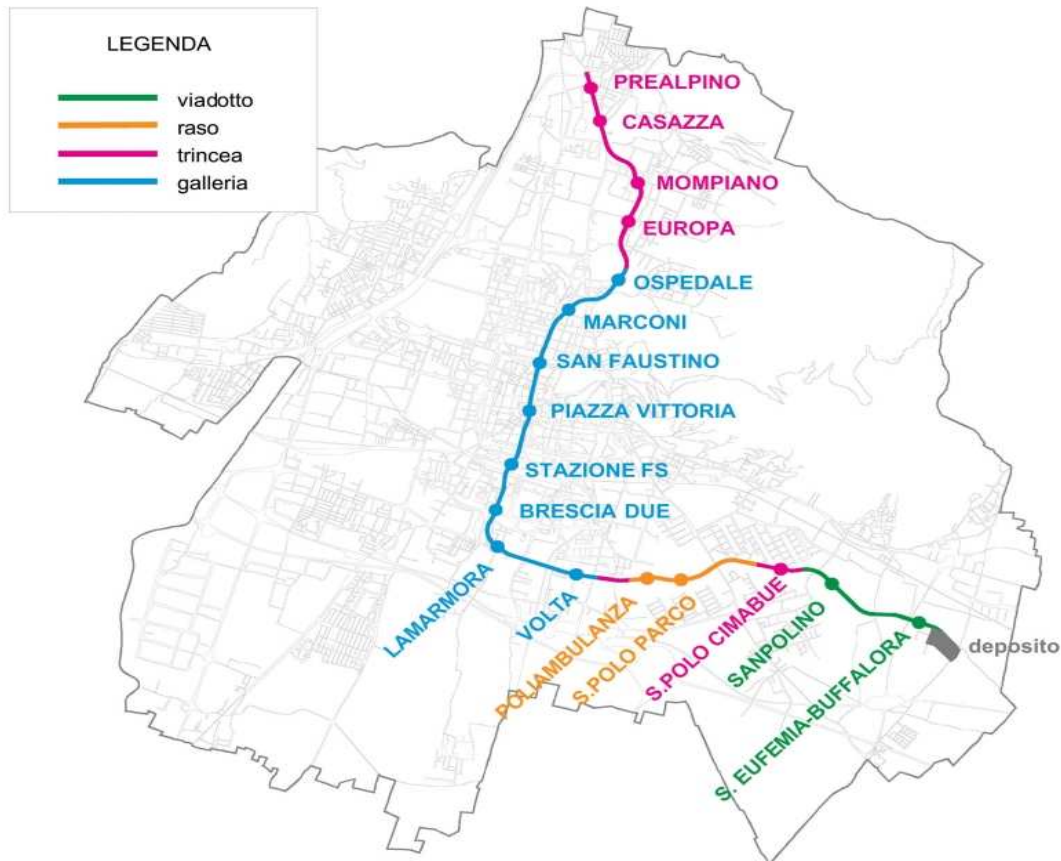


Brescia Metro Projects

Client: Metrobrescia-Ansaldo-Astaldi-Nesco Owner: Brescia City

Within the project of METRO-BRESCIA Tecon has developed the detailed project of four stations (Volta, Lamarmora, Brescia 2, and Vittoria) and the two in and out wells for TBM.



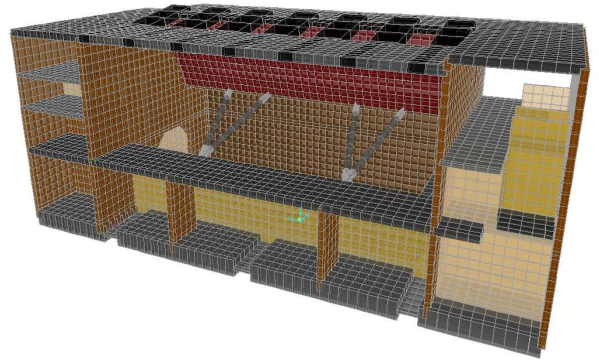
SERVICES:

- Detailed design of all the earth retaining structures made up by anchored slurry walls and micropiles
- Detailed design of the anchoring and strut systems
- Detailed design of all the station and well reinforced concrete structures
- Detailed design of all the temporary steel bridges and decks
- Bar bending sheets
- Assistance to Contractor during execution
- Assistance to Contractors and Owner during commissioning
- Three dimensional FEM analyses of several Brescia buildings and Churches subject to TBM settlement fields
- Assessment of settlement acceptability criteria for Buildings and Churches
- Bar bending sheets
- Assistance to Contractors during execution
- Assistance to Contractors and Owner during commissioning

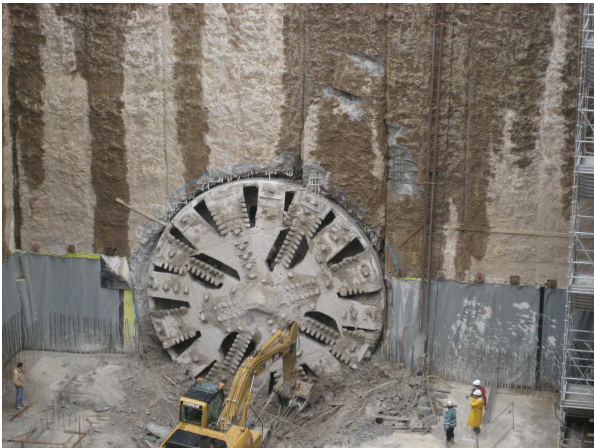
Brescia Metro



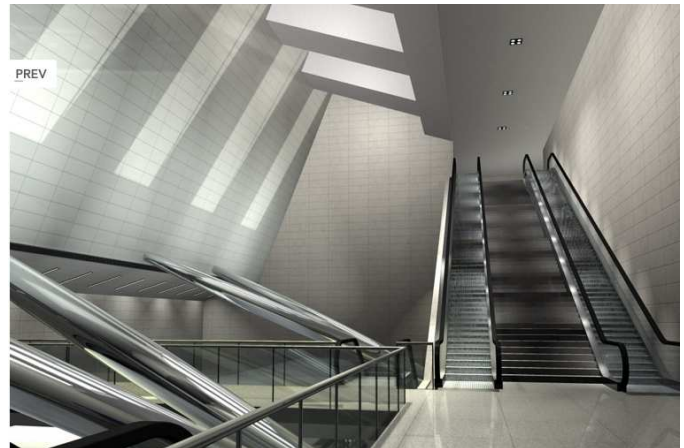
Brescia Metro:
Typical Station Construction



Brescia Metro:
Typical "Strut" Station FEM Model
Longitudinal Section



Brescia Metro:
Typical TBM arrival in station

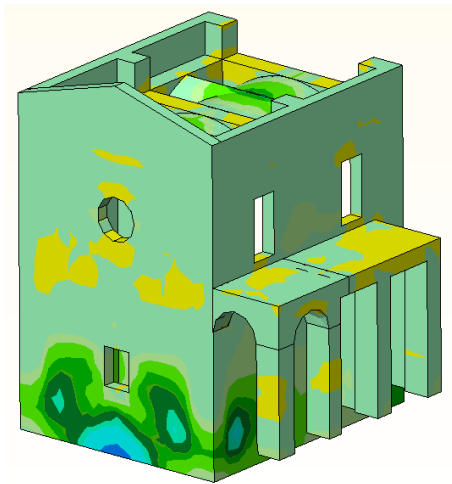


Brescia Metro:
Typical "Strut" Station rendering

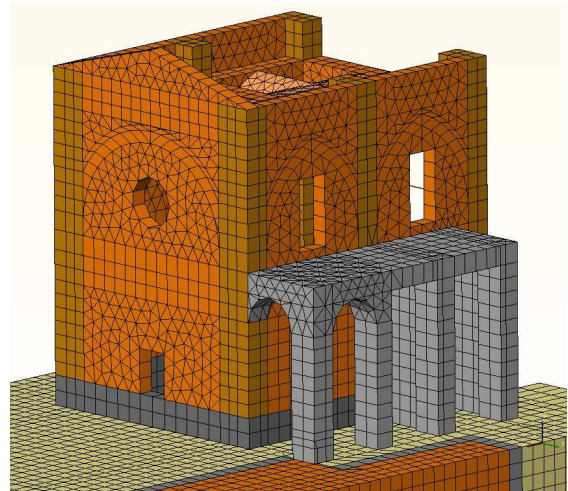
Brescia Metro



Brescia Metro:
S. Faustino Church Photograph



Brescia Metro:
TBM Settlement Analysis
S. Faustino Church FEM 3DModel – Stresses



Brescia Metro:
TBM Settlement Analysis
S. Faustino Church FEM 3DModel