

Project	Funicular Railway Kabataş–Taksim, Istanbul
Client	Yapi Merkezi + Graventa (Doppelmayr)
Consulting Services	2003-2005 detail design, consulting
Total Cost	US \$ 50 million
Technical Data	length 640 m, attitude difference 75 m, maximum inclination 22%



Description	<p>In the new district of the city this line will connect the ferry station 'Kabatas' with the metro station 'Taksim' at the elevation +65 m.</p> <p>The tubes consist of:</p> <ul style="list-style-type: none"> - single track tunnel, length 300 m, excavation area 33 m² - double track tunnel, length 200 m, excavation area 64 m² - station tunnel 'Taksim', length 55 m, excavation area 138 m² - and cut+cover construction at 85 m length. <p>The rock formation comprises highly tectonic disturbed sand-, clay- and siltstones. The overburden is 8 m in the area of station tube, but it varies between 12-40 m in other parts.</p>
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