

Railway flyover „Hürlistein“

Principal surveys during construction



📍 Dietlikon-Effretikon,
Switzerland
👤 Swiss Federal Railways
🕒 2011 - 2015

Expertise

Engineering Surveying

At the “Hürlistein” railway intersection near Kloten/Switzerland, the two-track lines from Wallisellen and Zürich Airport merge into a three-track line towards Effretikon. The level crossing of the tracks leads to conflicts in route scheduling and thus to a capacity bottleneck. The construction of a new, 400 m long flyover allows trains from Wallisellen to cross the Airport tracks without conflict. On both sides of the central bridge element, a 500 m long and a 1500 m long ramp are constructed respectively.

Our services

- ◆ Fixed point monumentation and measurement
- ◆ Survey of the topographic base data for project planning
- ◆ Set-out of the major construction elements: flyover, catenaries, signals and switches
- ◆ Building and track monitoring
- ◆ As-built documentation and control
- ◆ Data collection and processing for integrating the as-built documentation into the Swiss Federal Railway’s asset management GIS