



Islisberg Tunnel

**Client
Design**

Department of Public Works Canton Zurich
Engineering Joint Venture N4.1.6
– Electrowatt Infra AG, Zurich
– Dr. Vollenweider AG, Zurich und Rapperswil
– Ernst Winkler + Partner AG, Effretikon

**Contractor
Joint Venture Partners**

IBT Joint Venture
Marti Tunnelbau AG, Berne
Marti AG, Bauunternehmung, Zurich
Ed. Züblin AG, Niederlassung Tunnelbau

**Managing Contractor and
Technical Management
Financial Management**

Marti Tunnelbau AG, Berne
Marti AG, Bauunternehmung, Zurich



1. Cutterhead
2. Installation of cable duct
3. Breakthrough in the West tube on 21 April 2005



Project

A4 Autobahn road tunnel,
 West Uetliberg – Knonau Section, Islisberg Tunnel
 – 2 tubes of length 4,950 m
 – Excavated cross section = 110 m²
 – 3 ventilation centres north, south, middle
 – 15 cross tunnels, of these 5 are passable
 Geology: upper Zurich fresh water molasses

Construction Period

2003–2008

Contract Sum

CHF 235 million

Services

TBM drive Ø 11.86 m with prefabricated segmental lining
 Interior work: prefabricated services duct elements,
 pvc-waterproofing, concrete inner lining and suspended
 ceiling.

Jetting drive in the soil zone at the North Portal.

South drive with pipe umbrella in opposite direction.

Executed by Marti AG, Bauunternehmung, Zurich /
 Marti Tunnelbau AG, Berne