



POLITECNICO DI TORINO
Dipartimento di Georisorse e Territorio



GEORESOURCES AND ENVIRONMENT ASSOCIATION



ITALIAN TUNNELLING ASSOCIATION

INTERNATIONAL CONGRESS

MECHANIZED TUNNELLING: CHALLENGING CASE HISTORIES

Politecnico di Torino, 16 – 19 November 2004

MARTIGNANO ROAD TUNNEL (Trento, Italy)

Abstract

After an assembling-time proportional to dimensions and a clearly very difficult starting-phase, the greatest TBM ever been in Italy has started the best performances and with it all the job-site, which is so big for its human resources and for its working machines.

Moreover the new purpose of the first 1000 naturale bored meters have given (further) optimism and satisfaction to the Contractor and the Client.

The construction of the “Variante alla Strada Statale n° 47 della Valsugana” in the point between Ponte Alto and Trento Nord, that will be a strategically important road link for all Trentino, is in the largest (road) infrastructures ‘ plane that Provincia Autonoma di Trento is going to planning and building in order to improve centre and outside road network.

The study of the topic about the state of the building wants to describe all the parts of the tunnel under the hill of Martignano and it wants to shows the works amply, talking about the most significative items, like project, geology, (environment) impacts, risks, complexities e not at last TBM and its performances.