



POLITECNICO DI TORINO
Dipartimento di Georisorse e Territorio



GEORESOURCES AND ENVIRONMENT ASSOCIATION



ITALIAN TUNNELLING ASSOCIATION

INTERNATIONAL CONGRESS

MECHANIZED TUNNELLING: CHALLENGING CASE HISTORIES

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**KUNMING ZHANGJIUHE WATER DIVERSION AND WATER
SUPPLY PROJECT
(China)**

Abstract

The target of the Kunming Zhangjiuhe Water Diversion and Water Supply Project is to increase the water supply of Kunming City, the capital of Yunnan Province, South-West of China.

In this background, the construction of the 13.5 km long Shanggongshan tunnel proved to be an exhausting task for the TBM team.

The unexpected extent of geological adversities has been a severe trial for the selected Double Shield TBM and for the common understanding on TBM tunnelling.