



Handbook of Tunnel Engineering

By Bernhard Maidl, Markus Thewes, Ulrich Maidl

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Tunnel engineering is one of the oldest, most interesting but also challenging engineering disciplines and demands not only theoretical knowledge but also practical experience in geology, geomechanics, structural design, concrete construction, machine technology, construction process technology and construction management. The two-volume "Handbuch des Tunnel- und Stollenbaus" has been the standard reference for German-speaking tunnellers in theory and practice for 30 years. The new English edition is based on a revised and adapted version of the third German edition and reflects the latest state of knowledge. The book is published in two volumes, with the first being devoted to more practical themes of construction and construction process in drill and blast and mechanised tunnelling. Microtunnelling and ventilation are also dealt with. The second volume covers both theoretical themes like design basics, geological engineering, structural design of tunnels and monitoring instrumentation, and also the practical side of work on the construction site such as dewatering, waterproofing and scheduling as well as questions of tendering, award and contracts, data management and process controlling. All chapters of both volumes include practical examples.

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Editorial Review

From the Back Cover

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About the Author

o. Prof. em. Dr.-Ing. Dr. h. c. mult. Bernhard Maidl is the former Chair of Construction Technology, Tunnelling and Construction Management at the Ruhr University, Bochum. Prof. Maidl is currently partner of MTC - Maidl Tunnelconsultants GmbH & Co. KG, Munich and Duisburg.

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