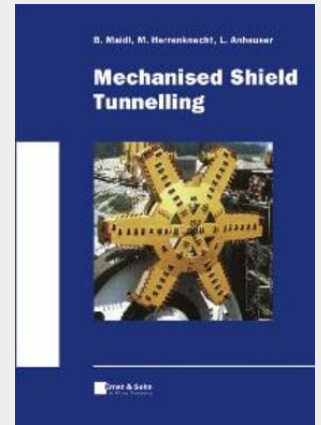


Mechanised Shield Tunnelling

Since its early beginnings in 1806, this type of tunnelling has become one of the most important techniques. While Japan's current pioneering role cannot be denied, the state of development in Europe has reached a high level of international recognition. This book explains the history of this construction method, outlining basic information and presenting the various types of shields and linings with the corresponding equipment and range of applications. It examines various projects, including not only such large ones as the Channel or the Belt tunnel, but also small, equally interesting projects such as underground railways. The problems involved as well the technology used to confront them are fully described, and the text is structured in such a way that readers are led from the basics of this construction method, via the essential functional elements of the shield machines and on to the different types of shields. The universality of the book is guaranteed by the three expert authors, a researcher, machine manufacturer and contractor respectively. Invaluable for current and future tunnelling projects and a must for all those working in the field.



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