

Underground Spaces Unveiled

Planning and creating the cities of the future

Han Admiraal and Antonia Cornaro
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Description

Underground Spaces Unveiled is an in-depth overview of the concept of underground space development, investigating major factors determining the future of our cities and how we can plan and create them by applying best practice in underground space development to ensure their sustainability.

Written by an enlightened engineer and a visionary urban planner thereby ensuring a balanced view and wide appeal, the book is intended for civil engineers, urban planners, urban designers and architects as well as policy makers and anyone involved with or interested in the future of urban development and the built environment.

This book shows the benefits and challenges, the possibilities and world-class examples of underground space development and how these translate into sustainable urbanisation.

Underground Space:

- **Approaches all aspects of urban underground space and brings together both past and present insights**
- **Includes worldwide case studies from the perspectives of a civil engineer and an urban planner, offering a multi-faceted approach to the considerations of underground space use**
- **Places urban underground space within the timely context of rapid urbanisation, climate change, and urban resilience and discusses the various claims to the subsurface including legal aspects and value capturing.**

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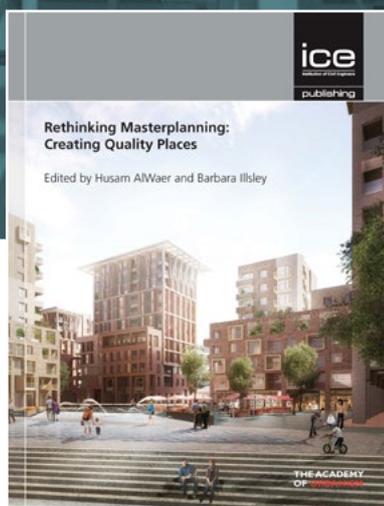
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Han Admiraal has been active in the field of underground space for over 20 years. A civil engineer by training, he worked for the Netherlands Government and as a professor at Zeeland university of Applied Science. Currently he works as an independent consultant in this field. He is chair of the International Tunnelling and Underground Space Association's Committee on Underground Space (ITACUS) and internationally recognised as a thought leader in this field.

Antonia Cornaro, a New York trained urban planner, has worked in urban and transportation planning in America, UK, Austria and Switzerland. She currently specialises in underground infrastructure, focussing on Urban Underground Space with the aim to increase mobility, liveability and resilience of urban areas. This is also central to her work as Vice-Chair of ITACUS. She has published and presented extensively, often jointly with Han Admiraal on this topic. This is her first book.

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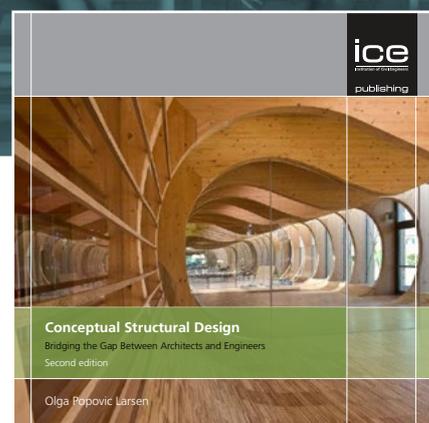
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