



APPLIED GEOTECHNICS

Practical Engineering Geology

Second Edition

Steve Hencher



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Practical Engineering Geology provides an introduction to the way projects are managed, designed and constructed, and how the engineering geologist can contribute to cost-effective and safe project achievement. The need for a holistic view of geological materials, from soil to rock, and of geological history is emphasised. Chapters address key aspects of

- Geology for engineering and ground modelling
- Site investigation and testing of geological materials
- Geotechnical parameters
- Design of slopes, tunnels, foundations, and other engineering structures
- Identifying hazards
- Avoiding unexpected ground conditions

This second edition includes a new chapter on environmental issues covering hydrogeology, considerations of climate change, earthquakes, and more. All chapters have been updated, with extensively revised figures throughout and several new case studies of unexpected ground conditions. The book will support practising engineering geologists and geotechnical engineers, as well as MSc level students of engineering geology and other geotechnical subjects.

CIVIL ENGINEERING



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