



Monitoring Underground Construction: A Best Practice Guide (Water and Coast Engineering)

British Tunnelling Society

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Monitoring is a subject of particular importance to underground construction works. It is often a key risk mitigation measure both for the control of the construction process and the protection of existing assets affected by excavations. The subject is treated at the level of key principles, focusing on objective setting, strategic planning and the high level specification of monitoring systems. It aims to help avoid problems, which have in the past arisen due to omissions in these areas.

The guide is structured to reflect the key stages in a project. It starts with objective setting and then addresses requirements for system planning, specification, design, operation and management. It also seeks to highlight the roles and responsibilities of the various stakeholders at each stage. Five illustrative case studies taken from a range of projects of different scales highlight the critical role of strategic and well-planned monitoring programmes in the success of any underground construction project.

Key features:

Only guide to the principles that should be followed in the development, design, implementation and management of a monitoring system.

Relevant to all major underground construction projects, regardless of scale or global location.

Written by a drafting committee from the BTS representing the leading edge of tunnelling and underground construction best practice thinking.

Readership:

Designers, project managers, clients, contractors and any other parties involved in underground construction or tunnelling projects.

Geographical market:

Primarily UK

Related titles:

Specification for Tunnelling, 3rd edition | 978 07277 3477 8 | \$90.00 | Mar 2010

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