



SHAFT DRILLERS INTERNATIONAL
Geotechnical Construction

An International Leader In Mechanically Excavated Shafts

North America: North American Drillers, LLC

South America: SDB Serviços de Engenharia Ltda

Australasia: Shaft Drillers Australia Pty Ltd



Applications:

- Access / Egress
- Ventilation – Intake / Exhaust
- Drop / Surge
- Utilities
- Exploration / Bulk Sample
- Foundation Elements

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Providing The “Hole” Solution

Blind Bore Drilling:

- Safest Means - All Work Safely Executed From The Surface
- Utilized In Complex Geologies
- Compaction Grouting Reducing Surface And Strata-Related Risks
- Capable Of Operating Small Urban Footprints

Directional Drilling:

- Proprietary Optical Drilling Technology
- Real-Time Monitoring And Steering
- Precision Drilling Deviation Less Than 30mm in 200m

SDI approaches each project as a collaborative team effort working closely with the client to minimize the inherent risks of subsurface construction and maximizing the construction dollar.

Project Execution Typically Includes:

- Pre-Excavation Grouting Techniques Enhance Ground Stability
- Surface Casing Provides Access Through The Overburden
- Pilot Hole Development:
 - Controls Vertical Alignment
 - Verifies Pre-Excavation Grouting Program
- Shaft Reaming Process Utilizes Reverse Circulation Drilling
- Shaft Lining Is Installed Safely From The Surface
- Tremie Grouting Of Annulus Secures Lining In Its Final Position



SDI's highly skilled engineers and qualified field personnel ensure accurate analysis and swift response across the globe. When complex geologies require cost effective and customized design alternatives, SDI personnel are well-positioned to develop and fabricate the custom tools necessary to ensure success.

SDI provides a wide range of shaft development options. Please call to discuss your project requirements:

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