Technology	Project information	Image
Microtunneling	Client: Qingdao Municipal Engineering Group (Government) Location: Qingdao, China Project Type: Trenchless Pipeline Installation (Microtunneling) Machine Used: 2800 MTBM (2.8m Microtunneling Rock-Type Machine) Pipe Used: Reinforced Concrete Pipe (2.8m Inner Diameter) Soil Condition: Mudstone, Red Sandstone Drive Length: 1,130m (Single Drive)	
Microtunneling	Client: China Railway First Group Co., Ltd. Location: Wuzhou, Guangxi Project Type: Trenchless Pipeline Installation (Microtunneling) Machine Used: 1500 MTBM (1.5m Microtunneling Rock Type Machine) Pipe Used: Ductile Iron Pipe Soil Condition: Red Sandstone with Clay Drive Length: 560m	
Microtunneling	Client: Changsha Municipal Co., Ltd. Location: Changsha, Hunan, China Project Type: Trenchless Installation - Microtunneling Machine Used: 2000 MTBM (2m Microtunneling Rock Type Machine) Pipe Used: Reinforced Concrete Pipe (2m Inner Diameter) Soil Condition: Full Section Rock Rock Hardness: Approx. 60 MPa Drive Length: 600m (longest Single Drive)	

Microtunneling	Client: Beijing Urban Construction Group Co., Ltd. Location: Hohhot, Inner Mongolia Project Type: Trenchless Installation – Microtunneling Machine Used: MTBM 3000 (Ø 3 m, type terrain meuble) Pipe Used: Reinforced Concrete Pipe Soil Condition: Silty Sand with a Large Content of Coarse Sand Drive Length: 350m (longest Single Drive)	
Microtunneling	Client: Sinohydro Engineering Bureau 4 Co., Ltd. Location: Guangzhou, China Project Type: Trenchless Installation – Microtunneling Machine used: MTBM 1800 (Ø 1.8 m, soft ground type) Pipe Used: Reinforced Concrete Pipe Soil Condition: Large amounts of backfill soil and garbage Drive Length: 478m (longest Single Drive)	

HDD	Client: Qingdao Ruizun Clothing Co., Ltd. Location: Jiafu Road Crossing Lingshanwan Road, Qingdao, China Project Type: Installation of underground power conduit using HDD technology Machine Used: Horizontal Directional Drilling Machine Pipe Used: 600 mm HDPE Soil Condition: Silty Sand Layer Drive Length: 900m	
HDD	Client: Qingdao Ruizun Clothing Co., Ltd. Location: Qingdao, China Project Type: HDD Power Line Installation Machine Used: Horizontal Directional Drilling Machine Pipe Used: 24*200 mm HDPE Soil Condition: Silty Sand Layer Drive Length: 270 meters	
Auger Boring	Client: Jingzhou Municipal Co., Ltd. Location: Jingzhou, Hubei, China Project Type: Sewerage line installation Machine Used: BY500 Auger Boring Machine Pipe Used: Reinforced Concrete Pipe Soil Condition: Silt, Quicksand Drive Length: 100m	

Auger Boring	Client: Fujian Nachuan Water Location: Xuzhou City, China Machine Used: BY500 (500mm Auger Boring Machine) Pipe Used: DN500 Reinforced Concrete Pipe Soil Condition: Loess, Hard Soil Drive Length: 60 m	
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