

Singapore Cable Tunnel Breakthrough



CONGRATULATIONS !

Congratulations to Downer Engineering Ltd., on the successful breakthrough of the C302 cable tunnel project for Powergrid Ltd., located in Singapore. The LOVAT RME242SE Series 18500 TBM, completed its drive on February 21, 2008.

The 6.14 meter diameter Mixed Face, Earth Pressure Balance TBM excavated 2,629 meters of tunnel, through multiple compound 130m radius "S" curves while achieving production rates of up to 9 rings per shift. The TBM began its drive at the Harbour Drive Equipment Building and ending at the Labrador Ventilation shaft.

The tunnel alignment was bored through Jurong Formation. The geology consisted of sandstone, mudstone, siltstone and limestone of varying degrees of weathering and unconfined compressive strengths up to 175 MPa.