



Fine Projects Limited

Job Story – Ap Lei Chau Cable Tunnel Project

In August 2001 Fine Projects Limited commenced work on a new cable laying project for the Hongkong Electric Co. in Ap Lei Chau, Hong Kong. Included in the scope of works was the construction of two tunnels of length 420m and finished diameter of 1800mm.

Prior to the submission of the tender the Company had worked closely with Herrenknecht (Asia) Ltd to identify a TBM capable of executing both hard rock tunneling and long distance pipe jacking. With the successful award of the Contract, to main contractor Nishimatsu Construction Co. Ltd, an order was placed for a new Herrenknecht AVN1800T machine equipped with an eleven cutter rock head, 200kW drive motor and auto-lubrication system. The advance planning paid off with abrasive and hard rock encountered during the tunnel drives – in some locations the rock compressive strength exceeded 400MPa. The drives were successfully completed in September 2002 and the machine is now being prepared for its next project in North Point.



Placing the AVN1800T into the jacking pit.

The above job story is provided by Fine Projects Limited