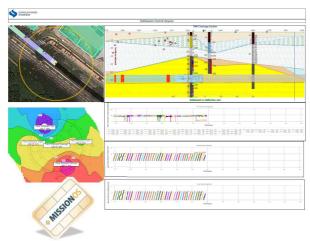
## JOB PROFILE

## SPPA EW-NS CABLE TUNNELS

MISSION<sup>OS</sup> Employed to improve communication and collaboration across 6 contacts involving 14 simultaneous tunnel drives





Maxwell GeoSystems worked with Singapore Power PowerAssets to provide an instrument data management system for the construction of the East-West and North-South Transmission Cable tunnels. The project consisted of 6 contracts (split between 5 contractors) on approximately 40km of tunnelling, and SPPA desired to have a transparent tool to aid collaboration between all parties. One requirement was that the instrumentation data be available by 8am the day after readings were taken—this was only possible utilising electronic data transfer and moving away from paper based systems.

Maxwell GeoSystems implemented the MissionOS system across all six contracts, interfacing with the two client appointed instrumentation contractors. Aside from the standard functionality on reporting of instrumentation and construction data, several new features were developed specifically based on user feedback including: 100m look-ahead report, Cutter wear prediction and a TBM dashboard. The system was used at the weekly management meetings (as well as the regular instrumentation meetings) to track progress. To assist with this a bespoke canvas sheet module was developed to aid in rapid reporting of key areas of interest.

