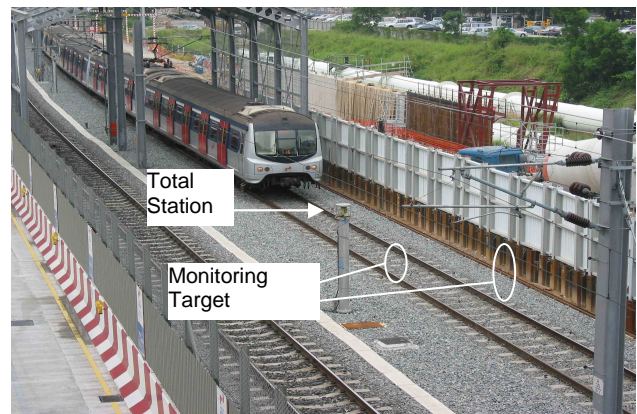


KCRC LOK MA CHAU SPUR LINE, LDB201

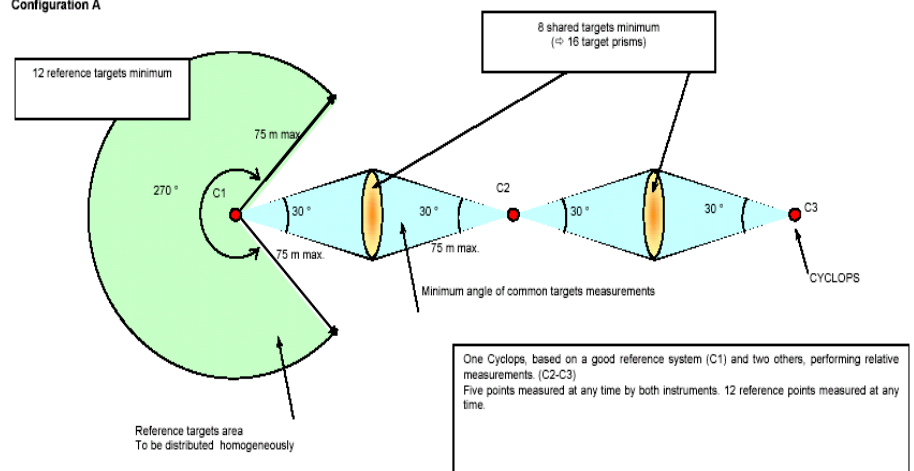
HONG KONG - CHINA

Track Monitoring using SolData in-house A.D.M.System and GEOSCOPE Web software for data acquisition and management

- ADMS – SolData Group’s Automatic Deformation Monitoring System installed along 900m KCRC’s existing track to monitor cant, twist, differential settlement during the construction period of Sheung Shui to Chau Tau Tunnel.
- 9 nos of Total Station divided in 3 groups to monitor 79 nos of reference targets, 24 nos of shared targets and 736 nos of monitoring targets.
- Built-in TACT software™ for total station management.
- Real time access via internet.
- 17000 datum received and handled within a day.
- Built-in COMP3D™ Least Square to enhance 3 groups of Total Station (3 T.S. per group) to operate even if reference prisms are temporarily blocked by the protection frame.
- Reporting cycle once every 4 hours+ Alarm management 24 hours a day.



Configuration A



OWNER :	KCRC
MAIN CONTRACTOR:	DRAGAGES
DATE OF WORKS :	2003-2005
WORKS DONE :	
<ul style="list-style-type: none"> • Set up and use of Geoscope Web for data acquisition, visualization & alarm management • Installed 839 nos of targets and 9 nos of Total Station for Track monitoring • Handled 16780 datum within a day for visualized reports • Manual survey for cross-check once a week for 900m railway track. 	