

Project Profile

Melbourne Metro - Australia

Maxwell GeoSystems is partnered with GLS and Cross Yarra Partnership (CYP) to deliver its innovative **MissionOS** Data Monitoring Information Management System for the Melbourne Metro Expansion.

Data and Risk Management on the 9km Melbourne Metro expansion projects is being supported by Maxwell GeoSystems' leading construction management system, **MissionOS**.

The project includes the construction of five new underground stations and 9km of twin tunnels excavated by TBMs and roadheader excavators.

The largest public transport project in Victoria's history is supported by **MissionOS** seamless automated report generation tools, reducing administrative time by 80%.

In addition, **MissionOS** support InSAR data and over 12,500 individual instruments, several with real time readings.



Image courtesy of Melbourne Metro

The whole project relies on **MissionOS** reporting. Graphs, maps and tables are laid out in canvas sheets and combined into binders.

Binder PDF production is scheduled at recurring intervals automatically reflecting the latest available data.

Melbourne Metro has: 26 daily reports totalling 1,085 pages displaying results from 19,000 instruments; 2 Weekly reports totalling 322 pages displaying results from 6,300 instruments.

Part of the binders are *Interpretive Monitoring Reports* where different stakeholders comment on a construction area's current activities using **MissionOS** blog features.

Blogs are also used in response to **MissionOS** generated instrument breach notifications. Survey, construction, geotech, design, and management teams all add comments, images, attachments to breach reports until resolved.

Technical managers then add their final comment/s and breach is "closed" and archived. The process is highly efficient avoiding the need for paper reports.

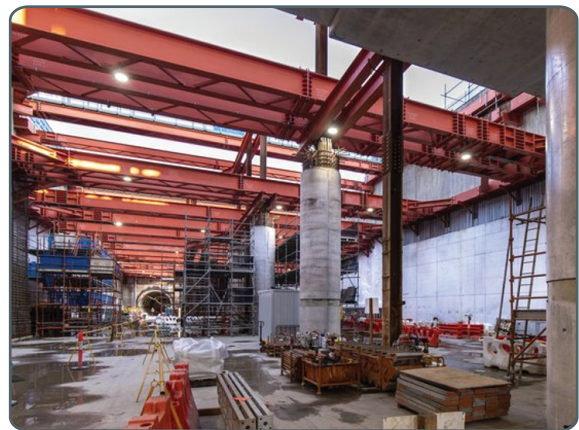


Image courtesy of Melbourne Metro

Sector	Tunnelling		Location	Melbourne, VIC - Australia
Contractor I&M Contractor	Cross Yarra Partnership (CYP) GLS Monitoring		Budget	USD\$6.0bn
Technical Summary	Instruments	12,500+		
	TBM Drives	4		
	Stations	5		
	Instrument Records	30 Million+		
	Users	274		
	Status	Ongoing	(Tunnels underway)	