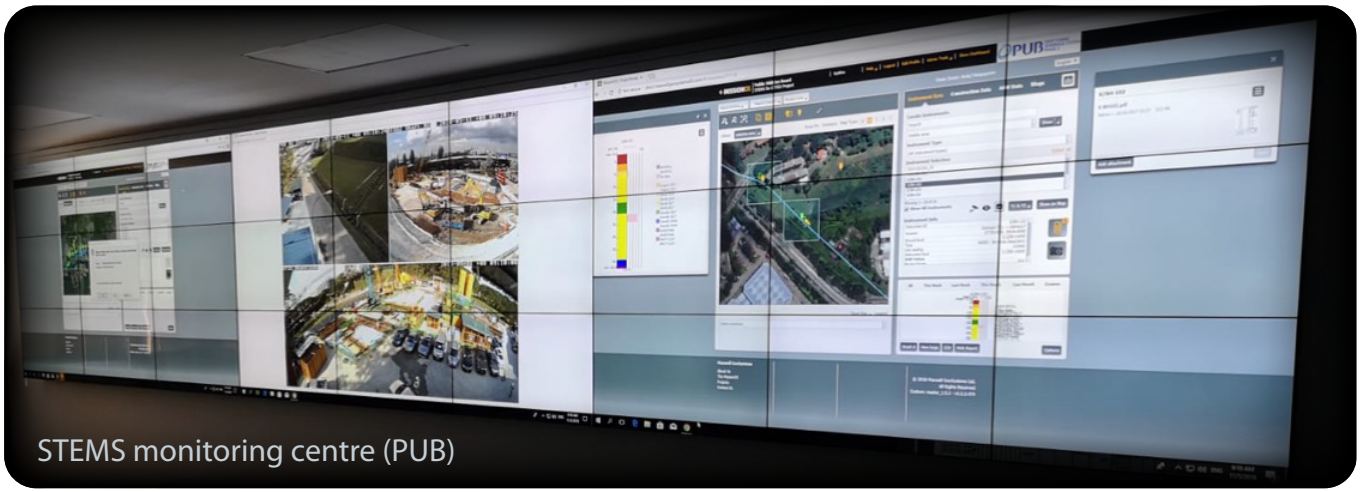
Maxwell GeoSystems Commissions STEMS system on DTSS2 in Singapore



STEMS monitoring centre (PUB)

Maxwell GeoSystems has successfully commissioned the **S**haft and **T**unnel **E**xcavation **M**onitoring **S**ystem (STEMS) for the DTSS2 Project in Singapore.

The project will construct about 60 km of link sewers and 40 km of deep tunnels in the south western part of Singapore as well as the Tuas Water Reclamation Plant in deep retained excavation.

The STEMS, based on Maxwell GeoSystems' successful **MissionOS** platform, is being used by all parties and will provide a unified resource for effective management and communication of data on the project covering investigation, risk, design, instrumentation and production data. Both shaft and tunnel components were commissioned within the 7 month period provided by the client, PUB, Singapore's National Water Agency.

Following the successful completion of the Singapore Powergrid tunnel and the KVMRT phase 1, **MissionOS** has been redesigned as a completely configurable data system aimed at infrastructure development and ongoing maintenance management.

The STEMS implementation has made great use of this configurability to shorten the implementation time and limit the need for additional code development.

MissionOS is a powerful and flexible data management system for the acquisition, monitoring and analysis of geotechnical and other project-related data.

Date: 10th May 2018

Ref: MGS-STEMS-01

QUICK FACTS

Project Type: Utility

Duration: 5 Years

No. of Data Records: >500 million expected

Project Overview: 100 km of deep mechanised tunnelling from 86 shafts and a large retained excavation for treatment works.

Key Challenges: Over 30 different agencies have engaged to use one system as a single source of truth for project technical data.

Maxwell GeoSystems Ltd.
Unit A, 20/F Easy Tower,
609 Tai Nan West Street,Cheung Sha Wan,
Kowloon, Hong Kong.
Email: sales@maxwellgeosystems.com