Maxwell GeoSystems - AWS

PropTech Day

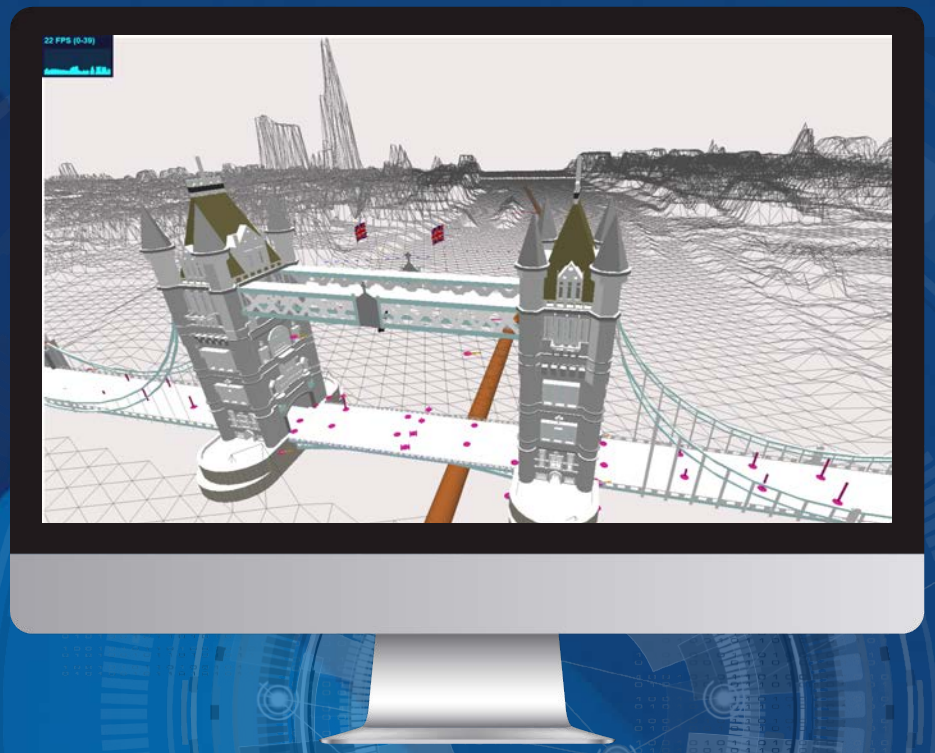
Maxwell GeoSystems | data you can build on.

About Maxwell GeoSystems

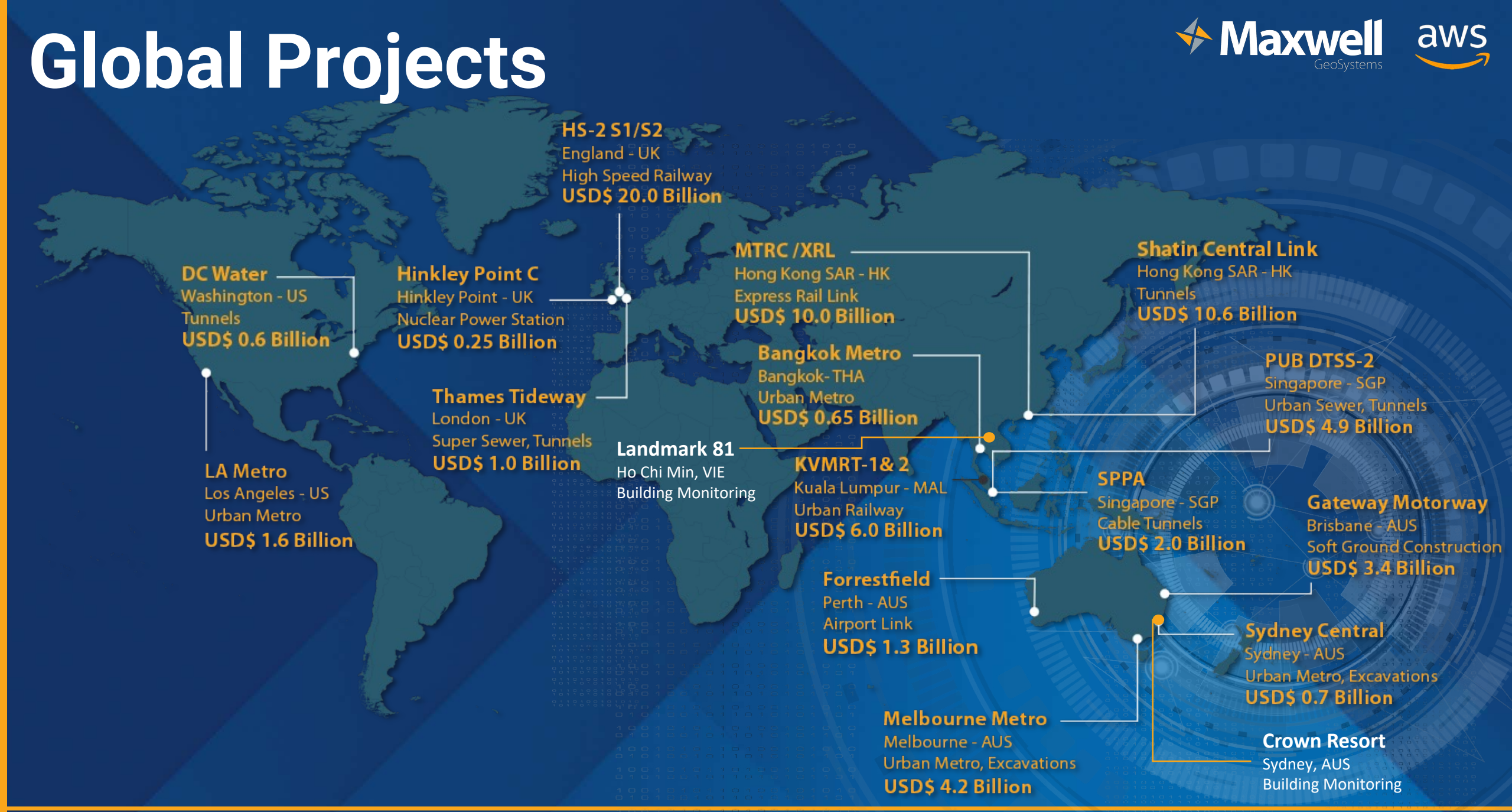
- Hong Kong based SME company, founded in 2004 by Dr. Angus Maxwell
- Data Management Specialists, dynamically connecting & monitoring data through a SaaS based platform
- Actively involved in ConTech & PropTech industry sectors for construction & infrastructure projects globally
- Leading in the field of digital transformation & common data environment
- Wide capabilities ranging from Earthworks, Reclamation, Mining, Tunnelling, Bridges, Slopes, Excavation, Dams & Asset Management

What is MissionOS?

- Cloud-based data management system
- Utilises robust, configurable, back-office Database to process construction data
- Integrator and super connector, breaking down silos within project organisations
- Data-driven decisions and reduces business risk, becoming a proven pedigree in the marketplace
- Providing a single source of truth
- Fully-configurable, programmable platform



Global Projects

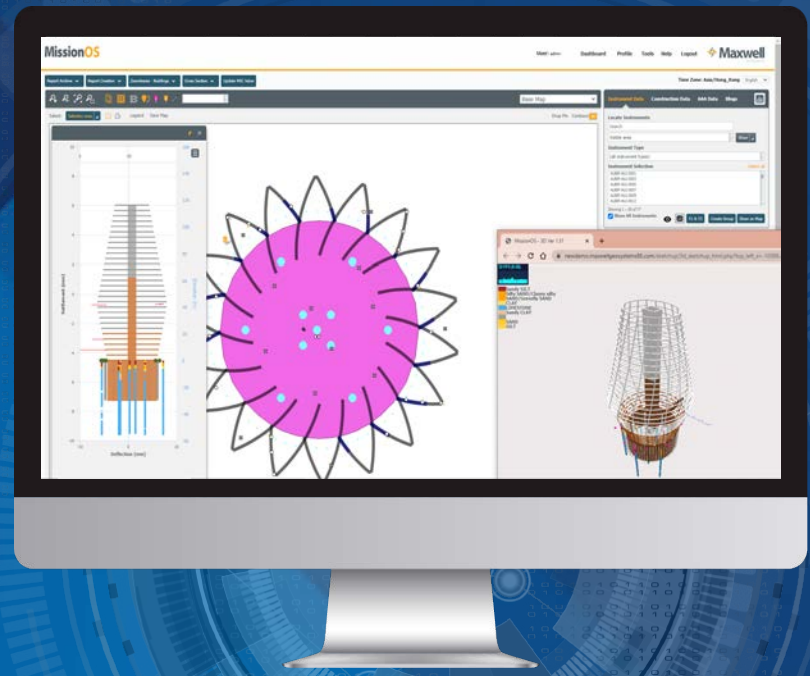


PropTech Use Case

Crown Resort - Sydney, Australia

Landmark 81 - Ho Chi Min, Vietnam

- Cloud-based SCADA mimic screens
- Energy Efficiency
- Building Safety & Security
- Facilities Management
- Equipment Performance
- 3D structural health monitoring
- BIM capabilities
- Digital Works Supervision System (DWSS)



Scalability

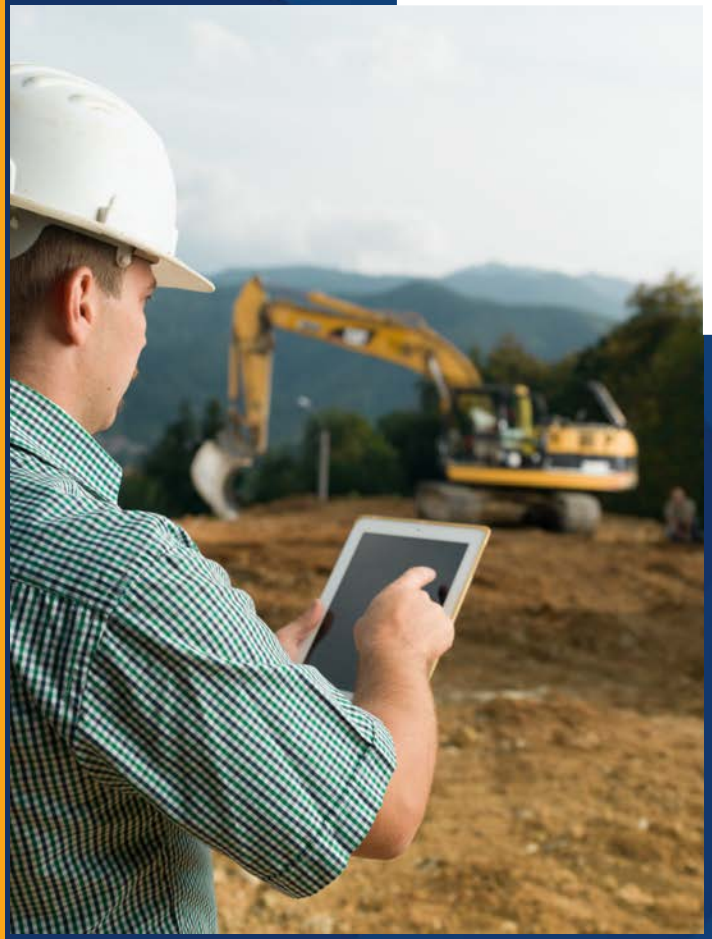
- With large amounts of data, comes even larger storage requirements
- Easy to scale-up and provide real-time coverage to global project clients
- AWS services available in almost all regions, allowing for easy local hosting application
- Responsiveness of AWS provides optimal functionality

DTSS2 Project, Singapore

Server Up-time & Availability

- AWS Server Up-Time is mission critical
- High availability of services and support from AWS
- Highly elastic, easy to manage and implement changes
- Robust security in a cloud-based environment

Security Perspective



- Covers and provides all security parameters
- AWS provides MGS with a high level of system integrity
- Utilising AWS Firewall, VPC, Inspector services
- Custodians of data post project

Development Perspective

- AWS enables MGS to optimise the development process
- MGS > AWS User Interface is easy to integrate, manage & use
- Highly accessible platform with minimal additional coding
- Cost-base optimised, reduces errors and reduces time

AWS for MissionOS

- Expansive MissionOS application deals with massive amounts of data from thousands of monitoring instruments
- Relies on AWS ES2 & RDS (Relational Data Service) for database
- MGS optimises the use of AWS instances for client data based on demands
- Utilises services such as Elastic Cache /Search, Read Replicas, Proxy Services for the smooth running of MissionOS
- Current R&D includes video and image analysis through AWS Recognition for easy deployment (A.I / Machine Learning)

Summary

- MGS benefits greatly from leveraging AWS services
- Actively involved in ConTech & PropTech industries
- BIM capabilities, energy efficiency & DWSS
- AWS is highly scalable, secure, easy to deploy & mission critical
- Large volumes of data easily stored and managed through AWS services
- MGS - AWS synergies