MAXWELL GEOSYSTEMS

MAXWELL GEOSYSTEMS

DATA YOU CAN BUILD ON.

ADVANCED SOLUTIONS FOR DATA MANAGEMENT AND VISUALIZATION -
EMPOWERING CONSTRUCTION AND INFRASTRUCTURE FIRMS TO
BUILD SMARTER, SAFER, AND MORE EFFICIENTLY.



www.maxwellgeosystems.com

CEO'S MESSAGE

"As we stand on the edge of the next industrial revolution, the construction and infrastructure industries are undergoing an extraordinary transformation. At Maxwell GeoSystems, we are excited to be at the forefront of this change, combining cutting-edge technology with time-honored practices to redefine the way we design, build, and manage the world's essential physical assets.

The future of construction and infrastructure lies in embracing the power of innovation. With advancements in artificial intelligence, machine learning, the Internet of Things, and data analytics, we are unlocking new possibilities for smarter, safer, and more efficient infrastructure development."



Dr. Angus Maxwell

Angus Maxwell

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WHO ARE WE?

Maxwell GeoSystems is an industry leader in providing purpose-built SaaS solutions, driving innovation in ground engineering and infrastructure intelligence.

Since our founding in 2004 by Dr. Angus Maxwell, the company has steadily expanded its global footprint, evolving from a specialized provider into a trusted partner for major infrastructure and engineering projects worldwide. Our continued growth reflects our commitment to innovation, technical excellence, and delivering value to clients across diverse markets.

Our flagship platform, MissionOS, empowers construction and engineering teams by transforming complex construction data and infrastructure project details into real-time, actionable insights - enabling smarter decisions, enhanced efficiency, and greater project control.

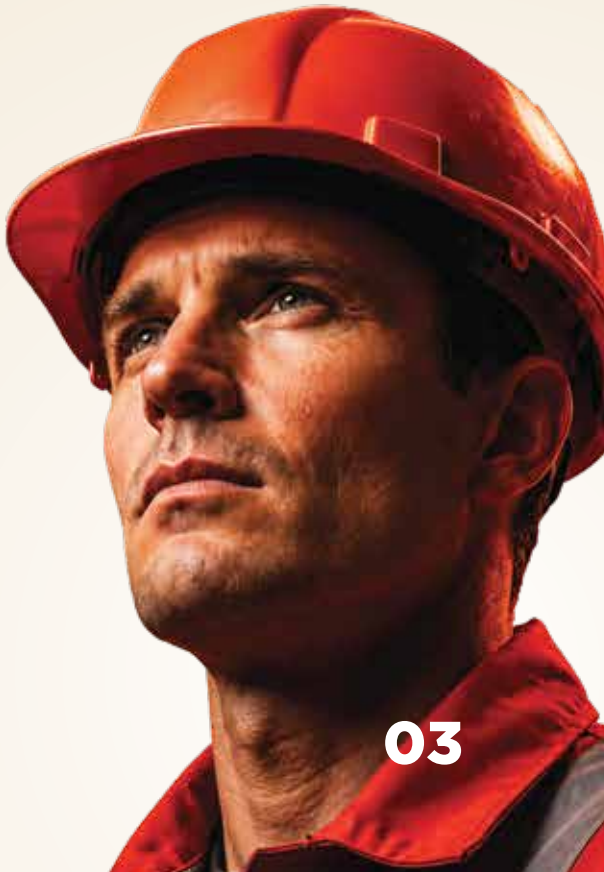
TRUSTED & PROVEN
Intelligence for Infrastructure


Asia - Pacific


Americas


Europe


Australia



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OUR VISION AND MISSION

FOCUSSED ON YOUR SUCCESS

VISION

To free engineers from the confines of the desktop to maximize their time thinking about the job being constructed. We aim to give them the tools with which they can rapidly import, process, audit, and analyze large quantities of construction information.

MISSION

Help users understand and visualize construction data, leveraging innovation to optimize productivity and reduce risk. MissionOS enhances engineers' efficiency and connectivity, providing valuable services that drive performance and advancement in the industry.



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GLOBAL REACH

PROJECT EXPERIENCE FOOTPRINT SPANNING 15+ COUNTRIES



NEOM
US$ 600.0B

MTRC
US$ 20.0B

HS2
US$ 20.0B

CKR T2
US$ 10.0B

HINKLEY
US$ 0.25B

CODELCO
US$ 1.4B

LA METRO
US$ 1.6B

GATEWAY
US$ 3.4B

SPAA
US$ 2.0B

KVMRT 1&2
US$ 6.0B

DTSS2
US$ 4.9B

BANGKOK METRO
US$ 0.5B

SHORELINE
US$ 3.0B

DC WATER
US$ 0.6B

HANOI METRO
US$ 2.0B

NAPOLI BARI HSR
US$ 2.0B

SYDNEY METRO
US$ 0.7B

FORRESTFIELD
US$ 1.3B

MELBOURNE METRO
US$ 4.2B

THAMES TIDEWAY
US$ 5.4B

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PURPOSE-BUILT, ENTERPRISE GRADE SOLUTION FOR DATA MANAGEMENT AND VISUALIZATION

MissionOS by Maxwell GeoSystems is a specialized, high-performance platform purpose-built for the complexities of tunneling, earthworks, and smart mining projects. Unlike generic monitoring tools or limited-scope systems, MissionOS offers deep data integration, real-time analytics, and end-to-end visibility across construction workflows. This sets it apart as a benchmark solution, enabling teams to move beyond fragmented data and static reports toward dynamic, actionable insights that drive smarter, safer, and more efficient project delivery.

	MissionOS	General-Purpose Data Management & Visualization Solutions	Point-focused Solutions for ConTech & InfraTech
Industry Expertise	★★★★★	★★	★
Sensor Integration	★★★★★	★	★
Visualization & Dashboards	★★★★★	★★	★★
Predictive Analytics	★★★★★	★	★
Tunneling Integration	★★★★★	★★½	★
Compliance & Risk Reporting	★★★★★	★★	★
Cloud & Collaboration	★★★★★	★★	★★½
24x7 Support Service	★★★★★	½	★

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A DIGITAL CONTROL TOWER FOR INFRASTRUCTURE PROJECTS

Complex infrastructure projects generate massive volumes of data — from engineering documents and schedules to purchase orders, time sheets, and field reports. When connected and contextualized, this information forms a powerful, real-time narrative of project health and progress, helping teams stay on track, on time, and on budget.

MissionOS acts as the central hub - a Construction Digital Control Tower - giving leadership teams and key stakeholders the visibility, clarity, and confidence they need to navigate complexity. By transforming fragmented data into timely, actionable insights, MissionOS enables proactive decision-making, improves transparency, and helps ensure projects stay on track, on time, and on budget.

- POWERFUL VISUALIZATIONS
- USER-FRIENDLY INTERFACE
- REAL-TIME DATA ACCESS
- FLEXIBLE AND SCALABLE
- UNIFIED SOURCE OF TRUTH
- AUTOMATED REPORTING
- PREDICTIVE INTELLIGENCE THAT DRIVES ACTIONS
- PROGRESSIVE DATA EXPLORATION

Ref: Adapted from source: McKinsey & Company "Increasing transparency in megaproject execution" August 2023

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INTEGRATED SOLUTIONS FOR INFRASTRUCTURE DATA MANAGEMENT

Versatile by design, the MissionOS suite powers critical infrastructure across industries. Its modular, data-driven architecture adapts seamlessly to diverse project needs, making it the platform of choice for complex, multi-disciplinary environments.

Tunnels | Metros | Road & Rail | Ports & Harbours | Mining | Utilities | Buildings & Structures

MISSIONOS

MISSIONOS DESIGNER

Equips project teams with advanced GIS and 3D tools to create digital twins, estimate project scope using predictive models, and collaborate securely from any location.

MISSIONOS BUILDER

Streamlines project tracking by linking BIM designs to schedules, embedding Construction Methods as a system of record, and delivering real-time reports and insights through automated dashboards and APIs.

MISSIONOS MONITOR

Delivers advanced, flexible data management by ingesting any sensor or IoT data, supporting complex instrument logic, and enabling secure, GIS-integrated dashboards with automated alerts and custom reports.

MISSIONOS MANAGER

Transforms asset management by leveraging construction data for context, designing smart maintenance workflows, and integrating sensors and CCTV for proactive infrastructure intelligence.

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CLIENT STORIES
PROVEN IMPACT

HS2

"MissionOS is our most critical system. If it stops, we stop. We have been very pleased with the service we've received."

Mark Lemmon- Head of Engineering (SCS Railways JV) on S1S2 London Tunnels



MTRC

"Hugely powerful, the best I've ever seen!"

Kevin Diemont



THAMES TIDEWAY

" It did exactly what we needed. We didn't use a quarter of the possibilities of MissionOS! "

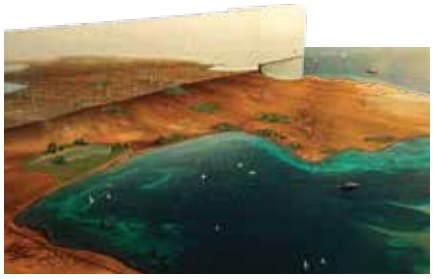
Rose, FLOR, Thames Tideway



NEOM

"Next time, we are going to put MissionOS right at the start of construction"

Sajiv, CRCC on NEOM Audits



LA METRO

"It is the best of all the platforms I have seen!"

Dr Yousef, University of Illinois & LA Metro Advisor



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MISSIONOS
Integrated Control for the Entire Tunnel Process



DOUBLE WIN

From excavation risk to monitoring, guidance to production and segment management, MissionOS delivers full-cycle control - recognized with double NCE awards.

Innovation in Instrumentation & Monitoring

Tunnelling Specialist Supplier of the Year

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Advanced solutions for data management and visualization - empowering construction and infrastructure firms to **BUILD SMARTER**, **SAFER**, and **MORE EFFICIENTLY**.

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