

Media News

Manage Site Safety with MissionOS



The construction industry is by far one of the most dangerous sectors to work in, with a wide range of hazards and risks involved. Thus, implementing and developing a digital work site safety culture pays dividends in protecting construction workers, as well as promoting health and safety.

Maxwell GeoSystems MissionOS platform is one such software that projects around the world are implementing for its various benefits, with site safety being one of them. This web-base interface provides visual representation of the data, making spatial interpretations quicker and easier. Areas where problems are developing can be rapidly identified, communicated effectively, and increases the action time taken to mitigate if necessary. Projects such as DTSS2 (Deep Tunnel Sewerage System) by the PUB Singapore (Public Utilities Board) have utilised MissionOS for their TDMS (Tunnel Data Management System), including CCTV monitoring.

There are numerous advantages of utilising digital tools and technologies in the construction sector which help ensure project is completed in a timely manner, with minimum risks. One advantage is construction workers have more access to data, that helps them make informed decisions in the workplace. With numerous sensors being deployed around the site, they are able to monitor each aspect of the environment and gather data all in real-time.

Another advantage is the use of enhanced reporting, by streamlining processes such as incident reporting and hazard identification. Furthermore, digital tools facilitate access to construction safety records, enabling project managers to monitor construction site safety and identify areas for improvements.

In addition to monitoring the site, project stakeholders are able to enhance their communication and collaboration across multiple teams. Communicating effectively and efficiently is a crucial element in

improving site safety. It allows for teams to identify safety issues earlier and resolve any conflicts in a timely manner.

The system provides a demonstrable improvement in safety of construction sites, through its ability to connect quality data to the people who need it, throughout all phases of the construction project.

With project engineers utilising MissionOS, they are able to increase construction site safety through the following:

- 1) **CCTV:** MissionOS can improve site safety by integrating the CCTV monitoring systems to assist with evaluation and compliance checking.
- 2) **Real-time Connectivity:** By enabling data systems to connect in real-time, MissionOS quickly identifies the cause and effect, allowing easier evaluation of the influences and aiding identification of the right response.
- 3) **Alarms and Alerts:** By establishing the pre-setting of Alarms and Alert levels, MissionOS provides rapid response and mitigation of critical safety oriented issues through collaborative blogs.
- 4) **Dynamic Tracking:** MissionOS provides monitoring and control throughout the entire construction site by the dynamic tracking of plant, machinery, personnel and site access.

Through this platform, project stakeholders can ensure a high degree of workplace safety, no matter the job type. With construction projects around the world increasing, keeping the right digital tool and technologies on hand will reduce accidents, promote health and safety measures, improve communication, as well as increased access to data to assist in safety information.

To learn more about MissionOS and its wide range of capabilities and benefits, visit: <https://www.maxwellgeosystems.com/>

#MGS #SiteSafety #MonitoringConstruction #Reporting #HealthandSafety #MissionOS

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