

Media News

Looking to manage Ground Water Risk? Learn how MissionOS is the right solution



Being able to monitor and collect data on groundwater pressure and quality, is vital for project engineers and insurers, in order to minimise risks. Uncontrolled water extraction can cause settlement of compressible layers and contamination through saline intrusion. Uncontrolled disposal of contaminated material can also cause ground water impacts.

There is a requirement for every construction project to have active risk management and implementing the right system for this is crucial in running a smooth operation. When it comes to monitoring and risk management, MissionOS is in its element.

By utilising the power of cloud-computing, project stakeholders can rely on MissionOS and its wide range of capabilities to help provide real-time monitoring of data, at every step of the way. The data is presented on configurable dashboards with multi-dimensional visualisation, in a highly secure environment.

MissionOS offers GIS layers which can include record spatial hazards such as compressible ground. Areas of high settlement consequences for example, sensitive buildings can also be added. These are linked to activity based hazards using the MissionOS construction framework. The risk management processes uses online blogs to capture relevant data and automated live reports.

Water quality is protected through proper management of excavated spoil. MissionOS is able to load borehole records automatically and combine with other data sources to develop models of ground conditions, either as layers, or as 3D grid simulations, using Geostatistics.

Geology records can be combined with muck volumes and machine parameters (foam quantities) to evaluate disposal requirements. Further more, MissionOS also provide provide project engineers with a high degree of configurability and accessibility through the use of APIs for external analysis at any time.

Read more in-depth on how MissionOS, a leading ConTech software, assists Groundwater and Settlement Control: <https://www.maxwellgeosystems.com/articles/groundwater-settlement-control>

#MGS #Groundwater #Settlement #Monitoring #Geology #MissionOS

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