Panellist

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SUMMARY

Laing O'Rourke is an international engineering and construction company delivering state-of-the-art infrastructure and building projects for clients across the globe. A key to the ongoing success in delivering projects is exploring and embracing new methods and technologies to find better ways to manage data and collaborate effectively with everyone involved in the execution of large scale projects. The Eastern Freeway Burke to Tram Alliance (EBTA) is a project being undertaken at the moment where Laing O'Rourke is driving the use of cutting edge digital strategy to build a digitally connected site where data is available easily across all stakeholders. Leveraging a model first approach to achieve centralised data in easy to navigate systems including; 3D web applications, 2D GIS applications, and automated dashboards for faster understanding and interrogation. Beyond the digital model and the many benefits, data obtained through reality capture devices has become an integral part of these projects. EBTA is also utilising web based applications that integrate the models and the point clouds in one environment that is accessible to all users on the project with ease. This paper will look at the key requirements for the project and the way they've been achieved. It will then discuss how technology and digital models can be used to achieve a greater understanding to all stakeholders of the interaction of the digital and physical via web based platforms, and augmented reality. Learn which solutions Laing O'Rourke deploys today and evaluates for future integration in their quest to expand digital construction workflows, and also learn how Trimble looks at the same topics from a manufacturers perspective.