

Integrating SX and X Series Data for Road Surveys – A User Experience

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SUMMARY

Surveys are a fundamental component for detailed design and monitoring of road networks. In the field though, challenges like access, time constraints, and safety are significant considerations when undertaking projects. As a result Terrestrial Laser Scanning is being used to effectively collect data and overcome these problems in the field, which is driving office workflows to become more streamlined to process the large amounts of data collected and meet the needs of a digital world. □ In this presentation we will explore benefits of this workflow and cover the lessons learned in the field looking at how the workflow was developed beginning with the use of just Trimble SX series scanners, through to more recent surveys where SX series instruments have been integrated with Trimble X series scanners using registration techniques to further increase efficiencies in capture time and associated benefits. From an office point of view we will look at how all this data can then be optimised and processed in Trimble Business Center to generate outputs quickly and efficiently, resulting in a single source of truth for all your project data. Finally we will demonstrate how this data can then be shared internally and externally via only a web browser through Trimble Connect. □

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