MJ4D, An Agile and Platform Agnostic Digital Twin

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SUMMARY

MJ4D – An Agile and Platform Agnostic Digital Twin

This presentation will discuss ways in which a digital twin can be leveraged to help communities with some of their most vexing information management challenges. In addition to reduced budgets, minimized staffing, and deferred maintenance, municipalities are often faced with outdated mapping, incomplete asset inventory and insufficient existing conditions of community infrastructure.

The digital twin serves as an infrastructure data management tool which can integrate with other digital information sources and supports community infrastructure maintenance activities. The modern basemap is no longer a static image or plan set, but rather an immersive collection of datasets from multiple sources that leverage the efficiencies of the latest technology to provide rich datasets which maximize value and make the data accessible to non-traditional user groups.

We will examine the latest technology used to create the modern digital twin including 3D laser scanning, mobile LiDAR and UAV imagery. The presentation will examine a variety of digital twins that have been assembled for agencies and municipalities around New York State and New York City.
