

## **Everything is Somewhere: GIS and the Digital Twin as a New System of Record**

The idea of making maps as a model of the real world predates the written word, spatial analysis is nearly 200 years old, and the first true GIS was developed in 1960. As technology has progressed, the level of detail and volume of data we have been able to embed in cartographic models has grown exponentially and the tools to maintain and communicate that information have become more and more accessible. GIS has become so much more than maps.

This presentation will demonstrate how ETM has leveraged this technological expansion to build a multifaceted geospatial data framework, a Digital Twin, that incorporates 3D modeling technology, remote sensing and lidar, enterprise asset management, live sensor feeds, document management, and more. Everything is somewhere and that somewhere can be mapped.

### **Bio:**

Jack Gibson is a Geospatial Consultant who has been working professionally with GIS for 12 years. Before that he studied and worked as an archaeologist in southern Mexico where he used GIS to help study site distribution and analyze ancient trade routes. He has great interest in the past and the future of map making.

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