

Abstract

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Integrating CAD Into an Enterprise GIS

Track: Water, Wastewater, and Stormwater

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The PUD in Truckee, California maintains Electric and Water facilities. Although Electric facilities are designed in-house, more than 85 percent of new Water facilities are designed by Engineering firms using CAD software. Historically, as-built information was often delivered without a coordinate system, not to scale, and unstructured. Using tools from ArcScripts, internal development, and as-built standards, the TDPUD has created a scenario that allows Engineers quick access to the Enterprise GIS in CAD format, which in turn puts designs in the proper Coordinate system, to scale, and with proper structure to quickly and easily load new designs into the GIS.

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