



# Los Angeles County Uses t4Spatial to Simplify Pipeline Inspection and Decision Making

The Los Angeles County Sanitation Districts protect public health and the environment through innovative and cost-effective wastewater and solid waste management, and in doing so convert waste into resources such as recycled water, energy, and recycled materials.

The Sanitation Districts are a public agency created under state law to manage wastewater and solid waste on a regional scale and consist of 24 independent special districts serving about 5.6 million people in Los Angeles County. The service area covers approximately 850 square miles and encompasses 78 cities and unincorporated territory within the county.

The Sanitation Districts have been a leader in providing wastewater and solid waste management services to the region since the formation of the first districts in 1923. Today, the wastewater system includes approximately 1,400 miles of sewers, 49 active pumping plants, and 11 wastewater treatment plants that transport and treat about half the wastewater in Los Angeles County.

## The Challenge

The Los Angeles County Sanitation Districts needed a better solution for storing and working with CCTV inspections. They wanted to move away from storing physical copies of inspection footage, a system that was proving to be cumbersome and inefficient. The process of requesting and acquiring footage – which different sections of the Sanitation Districts often have to do – was labor-intensive and time-consuming.

The sewer design section in particular was in need of a solution. Located about 45 minutes away from where the footage is stored, the design section is the branch responsible for designing sewer repairs or replacements. The state of the county's CCTV inspection footage meant that every time someone from the design team needed to see the condition of a sewer, they would have to come and pick up a physical copy of the video footage. For an agency monitoring thousands of miles of sewers, this outdated process called for a change.

### The Solution

t4Spatial is changing the game for LA County. t4Vault™ – t4's secure, cloud CCTV storage and sharing solution – works with the county's existing GIS system to store their videos on the cloud and reduce in-house storage. The inspection videos are easy to share with Districts personnel and contractors, helping the whole system flow more smoothly. What started as a storage solution has also gone on to revolutionize condition assessment for the Sanitation Districts.

*“t4's team was willing to work with us on a lot of difference enhancement requests over the course of the development of this project”*

said John Westergaard of the Los Angeles County Sanitation Districts. “When we started out, we had a pretty good idea of what we wanted – video hosting – but that expanded to an interface that shows an inspection report similar to what you get out of other CCTV software.”

t4Vault™ allows all sections of the Sanitation Districts to have the same instant access to video footage. For the sewer design section in particular, t4 has dramatically enhanced their workflow. They can now view and compare the latest inspections instantaneously from the county's GIS system.

*“It’s a lot of sewers to keep your eyes on, and we need to make sure that they’re all operating effectively to transport the flow all the way down to the treatment plants”*

said Darrell Hatch of the Los Angeles County Sanitation Districts. “t4Vault™ allows us to reduce our in-house storage – it’s been a helpful tool moving into the cloud age.”

## Why t4 Spatial

t4Spatial software is a work engine for decision-making. From inception, we knew making it easier to access sewer inspection data would make the data more valuable. Pros want to work the data. Pros need to make decisions and move on. It is their responsibility, and we knew we could make their job easier to execute. With t4Spatial you can easily store sewer pipeline inspections in the cloud. Access the information you need when and where you need it and share it with any stakeholder at any time from any device. You are already spending valuable resources for sewer CCTV inspections – let t4Spatial increase the ROI.

Our mission at t4Spatial is to help you get more value from pipeline inspection data and CCTV video. We can help you visualize your pipeline inspection data on a map – and make the data more accessible, more usable, and more valuable to everyone. We offer an easy way to store and index your inspection videos in the cloud with mobile access, so you can find and access the information you need, when you need it, from any device.

From the makers of t4Vault™ is a military-grade secure, inspection library. Store and retrieve videos anywhere, any time from any workstation or mobile device. t4Vault™ provides variable-speed, video review together with the other specification data you need to have asset inspections at your fingertips.

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