

WEBINAR

Introduction to TPAS

Date: June 4, 2012 (Monday)

Time: 12:00pm EDT



When you're on-site, do you need access to drawings? Do you need to take photos and key

them to your drawings? Do you want to annotate your drawings on-site? What about calculating lengths and areas of the conditions you annotate on your drawings?

In short, you need TPAS. Using AutoCAD functions and formats you probably already know, TPAS lets you experience total digital interconnectivity on site, between notes and photographs and between the visual and numerical representations of your data. Bundling the exclusive TPAS software with AutoCAD on a ruggedized tablet PC linked to a digital camera and loaded with standard and customizable block libraries, attributes and data, TPAS helps you gain maximal insight into conditions on site.

[Read the TPAS blog for updates about new feature developments.](#)

UPCOMING EVENTS

❖ [US/ICOMOS International Symposium](#), May 31 - June 2, San Antonio, TX, Kent Diebolt attending.

❖ [Association for Preservation Technology](#), Washington DC Chapter, Third Thursday Lecture Series, May 24 (evening), Kelly Streeter presenting.

❖ AIA Delaware Chapter, May 24, (noon), Kelly Streeter presenting.

❖ Penn State, June, Kelly Streeter presenting.

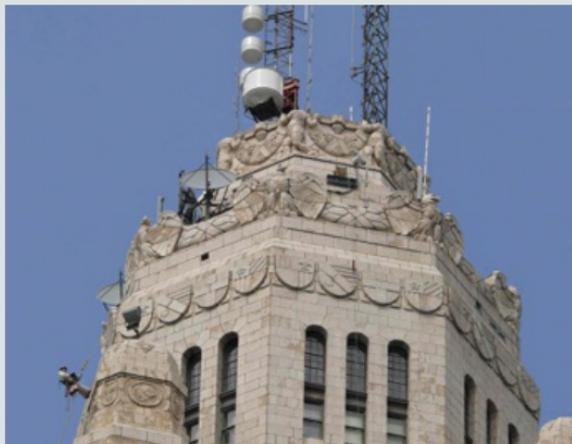
About Vertical Access

Vertical Access LLC is a qualified small business that contracts with engineers and architects to perform specialized inspection and testing services nationwide using industrial rope access techniques on civil structures, buildings, towers, and monuments. [Visit our website to learn more.](#)

Contact Us

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Radio Frequency Safety: An Update with a Recent Perspective



On many Vertical Access projects, we work on roofs or the sides of buildings where there are radio frequency (RF) antennas. Part of our site-specific safety check always involves assessing the risk posed by RF antennas, and we have discussed [Radio Frequency Safety in a previous newsletter article](#). In most of our projects the small number, low power or location of the antennas relative to where we perform our work means that there is little risk from the existing antennas.

However, during a site visit a couple months prior to the scheduled field work for the hands-on investigation of the LeVeque Tower in Columbus, Ohio, we noticed a concentration of large antennas beyond what we typically encounter. Below are some of the RF issues that were thoroughly discussed and reviewed both internally and with the project team prior to the inspection. The information presented in this article, intended for those who may come in close proximity to antennas as part of their work but who do not necessarily have training in RF safety, is provided only as general background. Further information is available from some of the links included in this article. In addition, training including basic RF awareness is recommended for those who may be exposed to radio frequencies as an indirect consequence of their work near RF antennas. [Read the full article.](#)

Project Update: Rebuilding the Hanging Flume



A 48-foot long section of the century-old hanging flume is reconstructed based on theories of how the original may have been done.

Driving along the San Miguel River near the historic town of Uravan in western Colorado, one has to study the cliffs to find remnants of a 10 mile long structure built 120 years ago during Colorado's gold rush. Hundreds of feet above the San Miguel River in the San Miguel and Dolores Rivers canyons, the [Hanging Flume](#) is an engineering marvel and mystery. Built to provide millions of gallons of water to gold prospectors, the flume ended its service life in 1903 and

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has since succumbed to weathering, rock fall and plundering by locals in need of timber.

With much of the structure long gone and few existing original documents and photographs, myriad mysteries surround the original construction process. Did the workers use a steam engine powered drill, or were the thousands of anchor holes in the sandstone drilled with only a hammer and chisel? How were the frames weighing more than 300 pounds moved into place? These and other questions have stirred up a "flume fever" in residents of neighboring communities.

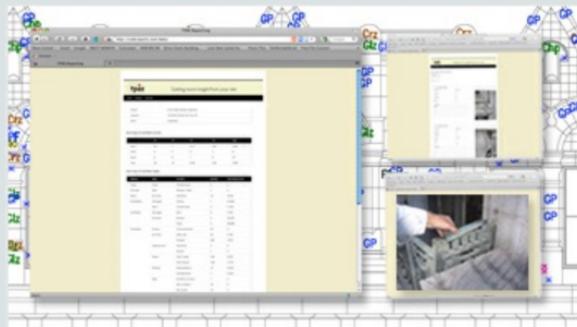
In 2004, Vertical Access teamed with [Robert Silman Associates](#), Anthony & Associates, and [Western Colorado Interpretive Association](#) (et al.) to study and document representative sections of the Flume. Fast forward eight years and in April 2012, the team returned to the Flume to reconstruct a section of the flume This effort received much attention from a fascinated local community - excited to see an important piece of their history come to life.

Read and watch more about the Flume

[KJCT8.com](#) [Video: Historic Hanging Flume Reconstructed](#)
[Denverpost.com](#) [121-year-old western Colorado mining flume clings to its secrets](#)

[VA Blog](#) [Eight Years Later: A Return to the Hanging Flume](#)

Technology Highlight: Web-based Condition Reports with TPAS



TPAS, the direct-to-digital annotation system used to collect condition data and annotate AutoCAD drawings, now exports online reports. A custom web-based project portal allows the project team to interactively search, view and format all project data and photographs within any internet browser without opening AutoCAD. Using TPAS online enables all project stake holders to communicate more efficiently about site observations reducing time and resources teams spend on reporting tasks for complex, data-driven projects.

Applications are as limitless as the reporting needs for your architecture, engineering or construction project, ranging from ASI and RFI reports to memos documenting hazardous condition or high priority items.

Try It

Take a self-guided tour through a sample [beta web report](#). Click in the table cells to bring up more details and high resolution photographs for that data point. See how powerful it is to have all observations and photos available in the cloud.