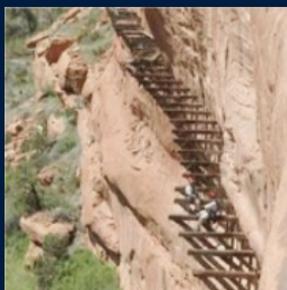


Summer Greetings ~



Help Save The Historic Hanging Flume! This historic landmark and engineering wonder located in western Colorado is deteriorating fast and with it critical evidence and stories about how it was built. Funding is needed to help deploy a project team to explore and document remaining portions of the flume. The [Interpretive Association of Western Colorado](#) has launched a crowdfunding project to make this happen. [Visit the site here to help.](#) Please share and spread the word!

Conferences and Lectures

[APT Documentation Technologies Workshop](#), September 4-5, Honolulu, HI.

[2015 Association of State Dam Safety Officials National Conference](#), September 17-19, New Orleans, LA. Booth #212. Evan Kopelson attending.

21st Annual Construction Risk Management Conference, September 16-17, Nashville, TN. Kent Diebolt presenting.

[Michigan Chapter of Construction Owners Association of America Workshop](#), September 22, Novi, MI. Kent Diebolt presenting.

[National Trust for Canada Conference 2015](#), October 22-24, Calgary, Alberta.

[APT Kansas City 2015](#), November 1-5, Kansas City, KS.

[National Preservation Conference 2015](#), November 3-6, Washington, DC.

[Architectural Iron & Steel in the 21st Century](#), April 2-3 2016, Cambridge, MA. Kelly Streeter presenting.

About Vertical Access

Vertical Access LLC collaborates with architecture, engineering and construction

Vertical Access Adds New Service - Aerial Inspections with Unmanned Aerial Vehicles



Vertical Access has been granted an FAA 333 Exemption for the commercial use of unmanned aerial vehicles (UAVs) to assist with the inspection of buildings, monuments, dams, bridges, and other types of structures in the United States.

"We've always embraced the use of technology to assist with the collection and reporting of conditions data, and we're very excited to offer this new service to our clients. Our company was founded on gaining access to challenging locations on structures, so this is really a natural evolution of our growth." Kent Diebolt, Founding Partner

The FAA requires that there be a certified pilot and visual observer on site for all projects when the UAV is in use. Our pilot, Jeff Maggerd (pictured above practicing maneuvers) is an FAA licensed pilot and also a SPRAT Level I industrial rope access technician. There are stringent rules and regulations to obey that apply to all UAV operators - commercial and recreational. You can learn more on a website recently launched by the Association for Unmanned Vehicle Systems International, the Academy of Model Aeronautics and the Small UAV Coalition in partnership with the FAA - [Know Before You Fly.](#)

Our hardware consists of a Phantom 2 quadcopter with a Zenmuse H3-3D camera gimbal. The gimbal will hold a GoPro Hero3 high resolution camera for photographs and video. The aircraft is also equipped with a global position system (GPS), inertial measurement unit (IMU), and compass that work in unison to stabilize the aircraft and provide safety features.

In the coming months we will be adding infrared thermography capabilities to our UAV, exploring live-stream video, and incorporating our direct-to-digital [TPAS®](#) annotation system into our work flow.

Some of the applications for our UAV are identification of areas on structures that need a closer, hands-on look, exploration of rigging options, and to get close-up photos and videos of architectural details such as finials, statues and other appurtenances that are beyond our reach.

We're looking forward to exploring and innovating new uses for this tool.

Can You Identify This Building?

Test your knowledge of historic and iconic buildings in the U.S. (and beyond!) in this series of "guess the building" blog posts.

lirms, and real estate professionals nationwide to perform specialized inspection services and condition assessments on buildings and civil structures using industrial rope access techniques and direct-to-digital information systems. [Visit our website to learn more.](#)

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These terra cotta faces keep watch over a state capitol from atop what was once the tallest building between New York and Chicago. The building was originally called the "Citadel" and the classically-inspired ornamental motifs include shields, eagles, fasces and medallions. Where is it? [More hints and the answer here.](#)

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Better Data. Better Projects.



TPAS - the Tablet PC Annotation System was developed by Vertical Access to enable our technicians to input both graphical and numerical observations directly into AutoCAD

on-site using tablet computers and digital cameras. Existing conditions data and photographs are input directly into the drawings, facilitating the analysis, interpretation and diagnosis of fault patterns and failure mechanisms.

We use TPAS on all of our projects, and the system is also available for [rent](#), [lease](#), or [purchase](#).

Free Webinar

TPAS capabilities are always evolving in response to the unique needs of our clients and to embrace advances in technology. [Sign up for a demonstration](#) of the system, including the [cloud-based Project Portal](#) that allows teams to share data, analyze, generate reports, and export from the web.

[Register for TPAS Webinar](#)

Recent Project Highlight



Vertical Access was retained by [Prudent Engineering](#) to assist in the biennial inspection of two steel arch bridges spanning Cattaraugus Creek near Springville, NY. Vertical Access technicians worked with Prudent engineers to gain hands-on access to inspect components of the steel structures outside the reach of the under-bridge inspection unit (UBIU).

The twin steel arch bridges supporting concrete decks were constructed between 2007 and 2010. The bridges carry US Route 219 over Cattaraugus Creek connecting Cattaraugus and Erie Counties.

Staff News

New Baby!

Our Metropolitan New York Branch Manager, Berta de Miguel and her husband Gabi had a beautiful baby girl in June. Welcome Gala!

