

FREQUENT FLYER KEEPS CVG MOVING

Busy airport uses up-to-date location intelligence from Nearmap

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As one of the fastest growing airports in the United States, with over 7,700 acres to manage, Cincinnati/Northern Kentucky International Airport—known as CVG—switched to Nearmap high-resolution aerial imagery to stay on top of the many rapid developments occurring on its land.

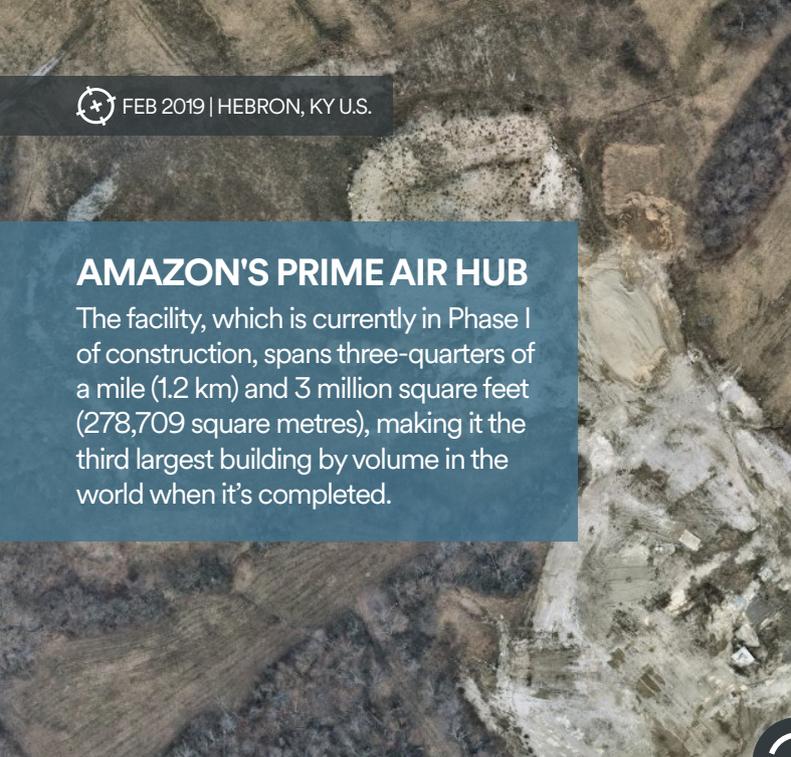
CVG was already using aerial imagery, but content from a previous provider was limited to a four-year cycle for updates—simply not frequent enough to keep pace with construction activity, additional airfield infrastructure and third-party projects happening on the property.

After hearing about Nearmap at the Autodesk University conference, Michael Miller, a CAD and GIS specialist for CVG decided on a trial run—and there's been no looking back. CVG has now been a Nearmap customer for over 12 months.

Integrating Nearmap with software tools such as Esri's ArcGIS Pro, Civil3D from Autodesk and Carlson Software means the CVG team can get a better feel for what's happening on the airfield, in whichever tools they are using. "Nearmap provides us with a much clearer view of the lay of the land," Miller said.

While Miller was learning about Nearmap, CVG's Chief Innovation Officer, Brian Cobb, was exploring another vendor option. "We ended up test driving both products," Cobb said, "but the other imagery wasn't updated nearly as frequently as Nearmap."

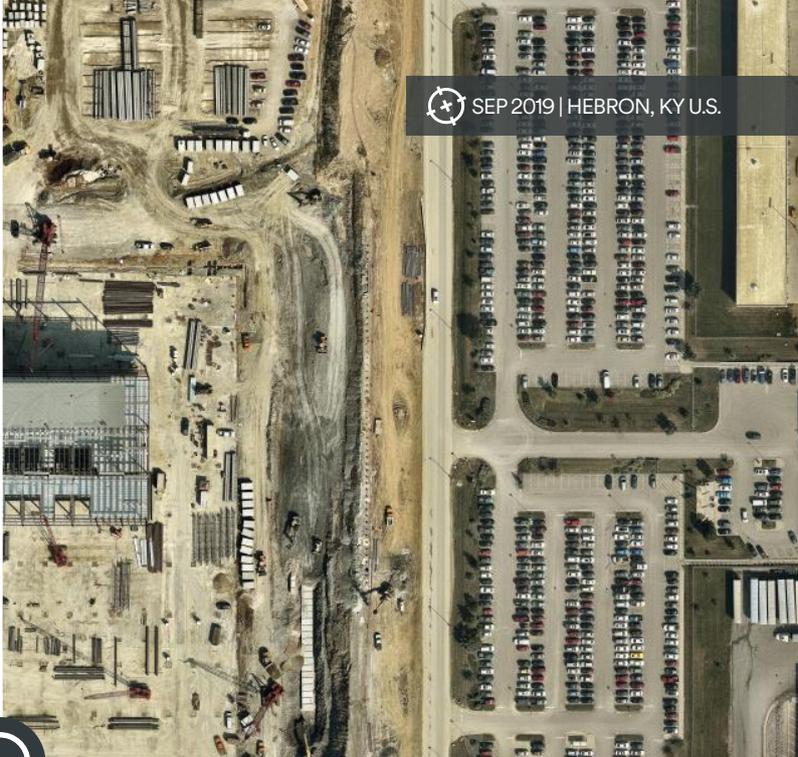
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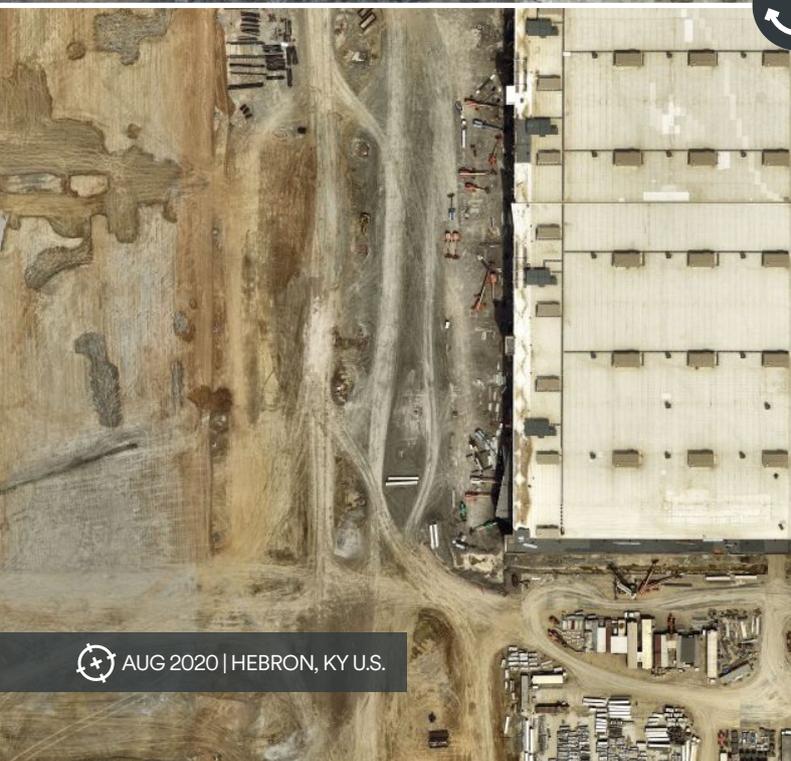
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AMAZON'S PRIME AIR HUB

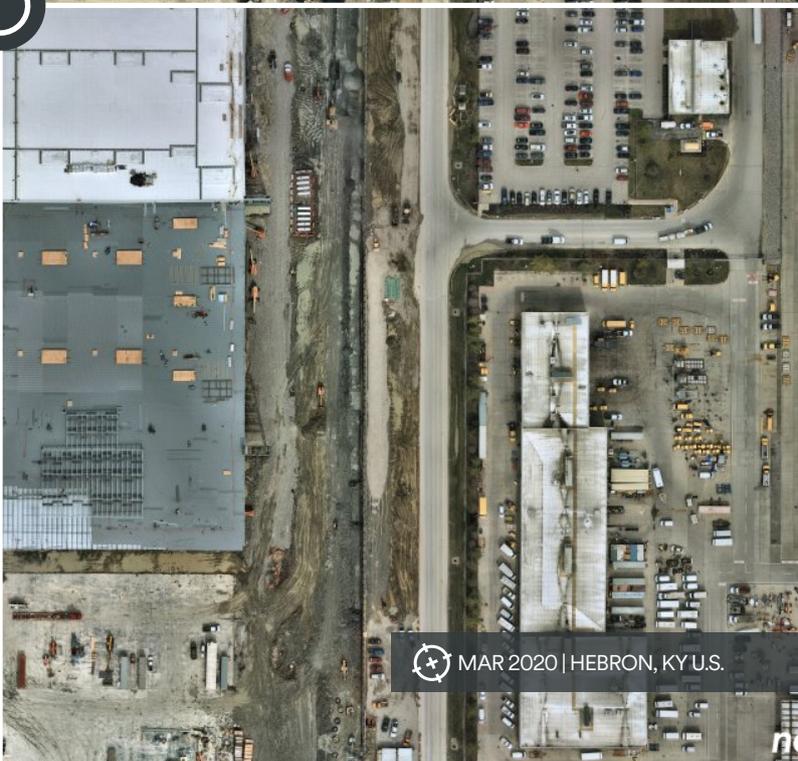
The facility, which is currently in Phase I of construction, spans three-quarters of a mile (1.2 km) and 3 million square feet (278,709 square metres), making it the third largest building by volume in the world when it's completed.



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PROJECTS TAKE OFF WITH NEARMAP

The airport first used Nearmap during the construction of critical airfield infrastructure, including a remote de-icing pad and a hardstand for overnight aircraft parking.

Prior to the project, CVG maintained 13 different de-icing pads around the facility. "Some were efficient, some weren't," Cobb said. Nearmap imagery provided the means to oversee the project and clearly demonstrated the benefit of centrally located de-icing pads to CVG's airline partners. Not only did this maximize airline efficiency, but it also provided a large revenue generation opportunity for the airport.

CVG works closely with major companies developing on the airport's land. In 2017, Amazon announced it would build its first Prime Air hub at CVG. The facility, which is currently in Phase I of construction, spans three-quarters of a mile

(1.2 km) and 3 million square feet (278,709 square metres), making it the third largest building (by volume) in the world, once completed.

"They're building on our real estate, which generates revenue for us," says Cobb. "We need to know what's happening with that site and all other sites as that facility continues to be built out."

Keeping track of third-party development is especially important given the airport must adhere to strict FAA requirements. "Anything to the exterior of the building or a new structure must be approved by us," said Cobb. "For anything on the interior related to fire suppression and map layouts, we need to know about that too."

In addition to Amazon, CVG also utilizes Nearmap to oversee developments for Wayfair, DHL, and the airport's new Consolidated Rental Car Facility (CONRAC).

INTELLIGENCE FOR MANAGING ACRES AND ASSETS

An airport acts as a “city within a city,” according to Cobb. With over 7,000 acres (3116 hectares) to manage, it can be challenging to keep track of every tiny detail—unless you have the right tool for the job.

The high resolution of Nearmap imagery helps CVG locate and monitor individual signs, roadways, and terminal facilities. “The granularity and the pixilation is so minor, we can actually look at the condition of the signage and the wording that’s on the signage,” Cobb said. This helps CVG maintain an accurate database for asset management purposes.

Miller has used Nearmap extensively to verify pavement markings, for environmental analysis and utilities mapping. “It helps us make sure that our mapping and base mapping—our planimetrics from a utilities standpoint—is as accurate as possible,” Miller said. “It gives us a real sense of what’s actually out there.”

With each Nearmap update, new imagery joins the constantly growing library of previous captures, spanning years.

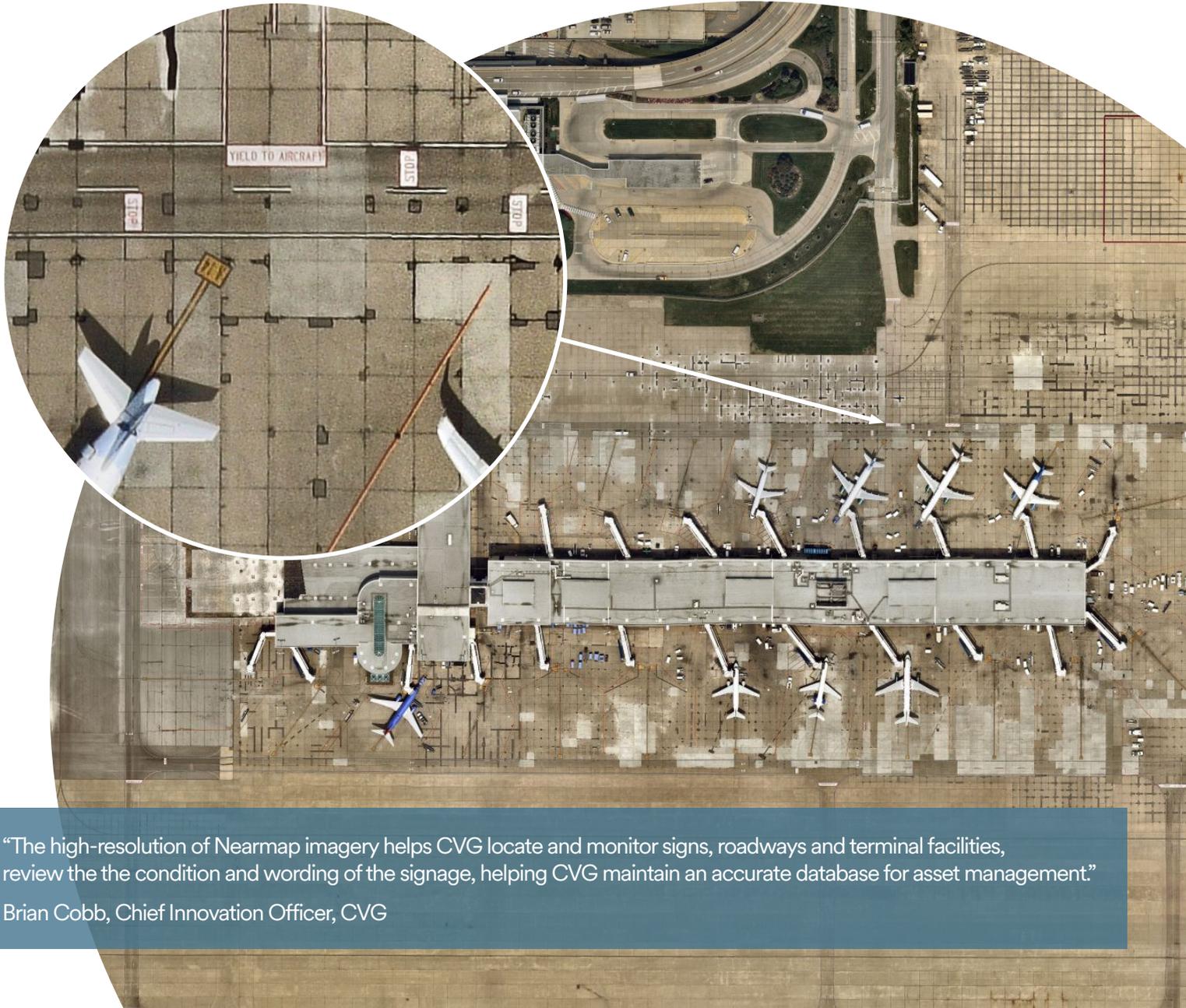
For CVG, seeing truth on the ground through historical imagery enables them to learn from the past and move forward with their goals for the future. “A lot of it is capturing history,” says Miller, “With Nearmap imagery, we can maintain good existing conditions and base mapping which helps projects move along while cutting down on costs and mistakes.”

Clearly there’s no shortage of uses for Nearmap within its boundaries, but it’s worth noting that CVG isn’t confined to imagery of its own property.

Nearmap has wide coverage across the country, and captures aerial imagery of vast urban areas proactively. There’s location content for thousands of places available for instant look-up whenever needed.

For example, since each airport must adhere to FAA guidelines, they often look to each other for ideas and best practices. Using Nearmap, the CVG team can see what other airports are doing—from airfield markings and signage, to layouts for de-icing pads.

This valuable location intelligence is ready and waiting to help those in transportation and related industries stay on top of their continuously evolving facilities.



“The high-resolution of Nearmap imagery helps CVG locate and monitor signs, roadways and terminal facilities, review the the condition and wording of the signage, helping CVG maintain an accurate database for asset management”

Brian Cobb, Chief Innovation Officer, CVG

ABOUT NEARMAP

Global technology pioneer Nearmap provides easy, instant access to up-to-date and historic geospatial data that organizations depend on as their source of truth for the livable world.

Nearmap proactively captures wide-scale urban areas in the USA, Canada, Australia and New Zealand multiple times each year, with patented plane-mounted camera systems that provide superior detail, and automated processing pipeline that ensures rapid availability.

Regular surveys cover 71% of the US population—over 430 urban areas encompassing more than 330,000 square miles annually, with major metros frequently captured up to 4x per year.

Customers rely on Nearmap for consistent, high-quality content that enables remote capabilities and unlocks productivity for profound change: crystal-clear high-resolution vertical, oblique and panoramic aerial imagery; a vast library of historic captures; frequently updated city-scale 3D datasets on demand; and verified pre-processed property insights at unmatched scale with Nearmap AI.

Founded in 2007, Nearmap was named as one of the world's 10 Most Innovative Companies of 2020 by Fast Company magazine. With offices in the United States and Australia, Nearmap has a global customer base including government agencies and enterprises for whom current, reliable and truthful data is essential to critical decision making and operational workflows.

Nearmap's parent company, Nearmap Limited, is a publicly traded company listed on the Australian Stock Exchange and one of the 200 largest ASX-listed stocks in Australia.

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