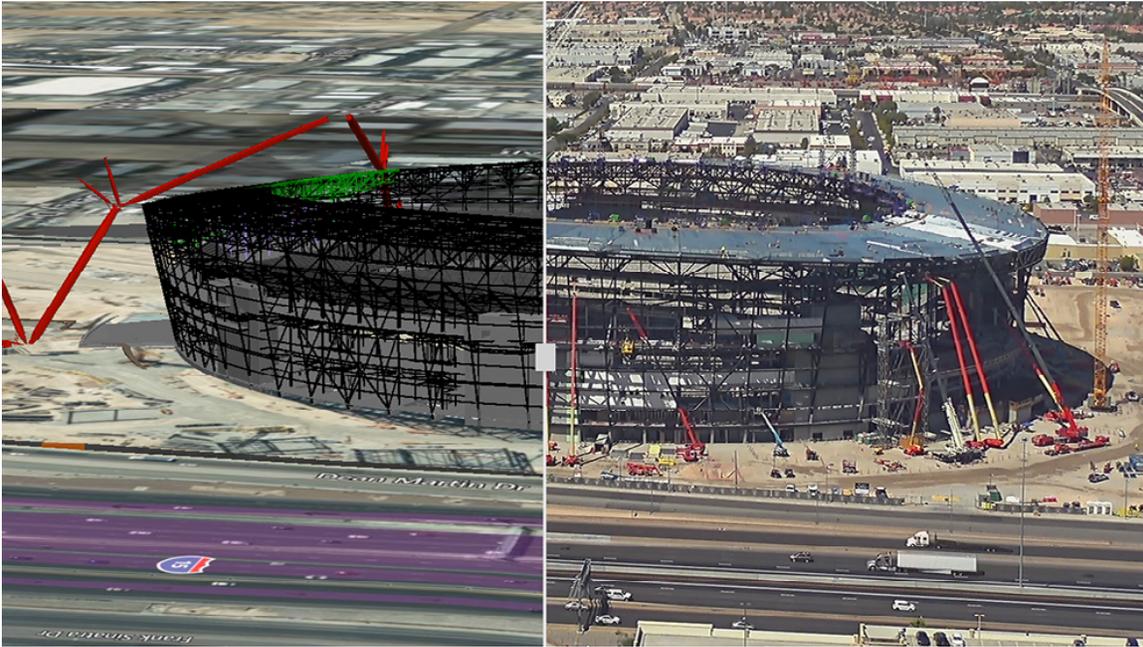


Overlay and Sync Live Images with Digital Twins

By [Retrofit Magazine Editor](#), March 31, 2022



EarthCam, a provider of webcam technology and services, has introduced [EarthCam 4D](#), empowering virtual design and construction (VDC) teams to overlay and sync live imagery with their digital twins. An intuitive time-line allows users to scroll backward and forward in time to view live imagery in relation to their 4D models.

Built on the Bentley iTwin platform, EarthCam 4D augments Bentley Systems' SYNCHRO4D models with high-resolution photos from multiple cameras throughout the job site, overlaid in precise alignment. Viewers can zoom in and out, and the associated live images remain synced. Unique transparency/opacity and model color adjustments enable new and powerful ways to compare and contrast models with reality over time.

EarthCam 4D is the first solution that fully synchronizes time-sequenced images to 4D planning models – stakeholders no longer need multiple software interfaces and different stored image sources to access this critical comparative information. According to FMI, 13 percent of working hours are spent looking for project data and information. Having real-time imagery synched with a SYNCHRO 4D model in a single interface provides immediate, real-time evidence of every steel beam placement, and every window installation against 4D models, simplifying project management for SYNCHRO users worldwide.

EarthCam's [Control Center 8](#) has been a software chosen among industry leaders for smart project documentation, promotion and security. EarthCam is driving productivity for a more visually informative job site, providing camera rentals, same-day delivery and professional installation. EarthCam works with industry leaders around the globe to make construction project management less costly and more efficient using powerful visual data.

To learn more about EarthCam 4D and Control Center 8, visit earthcam.net/earthcam4D.