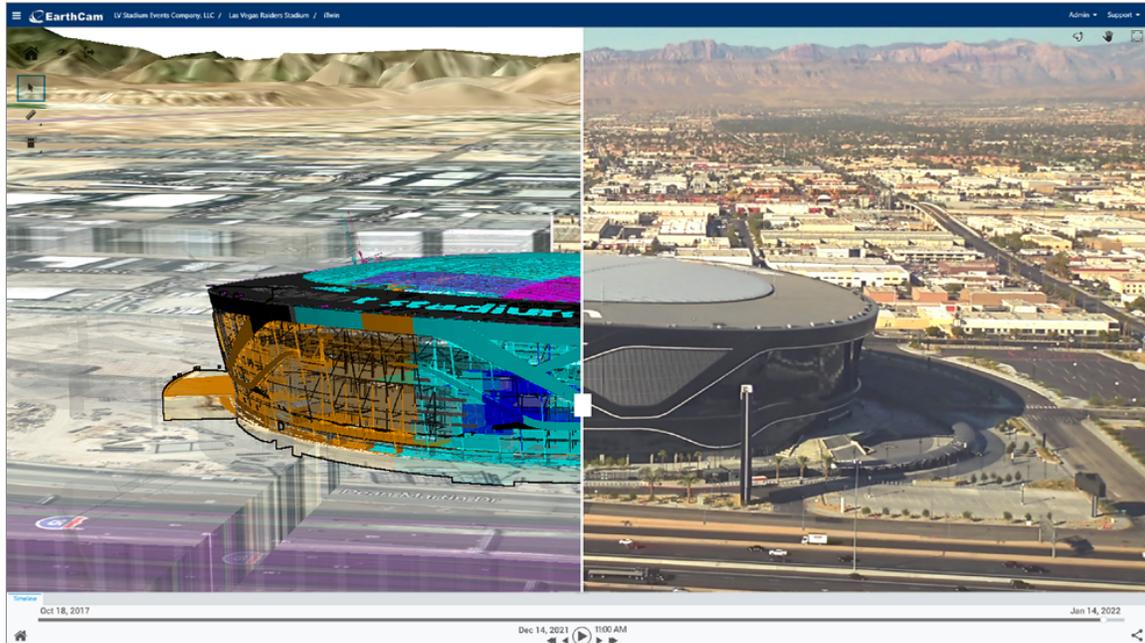


EarthCam 4D Brings Construction Digital Twins to Life

By Eric Van Rees *January 27, 2022*



EarthCam, the provider of webcam technology and services, introduced EarthCam 4D, empowering virtual design and construction (VDC) teams to overlay and synch 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' SYNCHRO 4D models with high-resolution photos from multiple cameras throughout the jobsite, overlaid in precise alignment. Viewers can zoom in and out, and the associated live images remain synched. Unique transparency/opacity and model color adjustments enable new and powerful ways to compare and contrast models with reality over time.

"EarthCam 4D is a great and quick tool to help communicate project schedule with our customer, trade partners and public," said Michal D Wojtak, Mortenson's Integrated Construction Director for sports and entertainment. "The ability to easily compare current and future states of work is valuable to project leadership teams."

"We are delighted to collaborate with EarthCam, and their EarthCam 4D application, which allows for construction teams to monitor planned construction against actual progress. In addition, EarthCam's solution integrates time-lapse imaging with interactive 3D models that are tied to the construction schedule data, adding tremendous value to clients," said Sheena Gaynes, Director, Business Development, iTwin platform, at Bentley Systems. "In doing so, EarthCam joins the growing innovation ecosystem building digital twin applications on the Bentley iTwin platform."