

EarthCam launches solar predictive analytics for construction monitoring cameras

By [Emma Andrus](#), November 05, 2025



EarthCam, a provider of live camera technology, content and services headquartered in Upper Saddle River, New Jersey, has launched solar predictive analytics within its control center platform. The launch was announced at the Greenbuild International Conference, Nov. 4-7, 2025, in Los Angeles.

According to [EarthCam](#), the use of solar-powered cameras has become essential for construction monitoring and documenting projects. However, solar power disruptions caused by shaded panels, misalignment or extended periods of low sunlight can interrupt project oversight, safety verification and compliance reporting, the company notes.

The new capability uses artificial intelligence (AI) to monitor, analyze and forecast solar performance of camera systems to prevent downtime and interruptions in visual documentation.

The control center can predict how much solar energy a system should produce based on its geographic location, daylight hours, sun angle and 72 hours of weather forecast data. It uses advisories that flag potential performance issues and their likely causes before they impact uptime.

“Uninterrupted visibility is essential for every project,” EarthCam founder and CEO Brian Cury says. “By combining AI with our proven solar-powered systems, we’re giving our customers a reliable way to anticipate issues before they happen and ensure continuous visual intelligence for projects from start to finish. At the same time, we’re advancing our broader mission of environmental responsibility and sustainable innovation.”

In its 29-year history of construction project documentation, EarthCam has provided camera rentals, installation and AI analytics for construction project management. Its technology has provided documentation of major projects, including the Los Angeles International Airport, San Francisco–Oakland Bay Bridge, Panama Canal expansion, Smithsonian National Museum of African American History and Culture, One World Trade Center and more.