Monitoring Major Construction Project in Desert with Correlator3D

Extreme Aerial Productions is using SimActive's Correlator3D software solution for desert site monitoring applications in Phoenix, Arizona, USA. Aerial imagery in conjunction with conventional ground survey is being used to monitor construction progress over a multi-year period.

Phoenix is experiencing another technology boom with large manufacturing companies relocating to the area and expanding into the desert. Extreme Aerial is supporting a large semiconductor manufacturing facility currently under construction. Its fleet of unmanned aerial vehicles (UAVs or 'drones') is used to capture on-site activity and produce deliverables for the engineers and architects to use in the construction process.

“The desert southwest is an excellent place for photogrammetry,” said Mark Taylor, chief geek at Extreme Aerial. “The built-in scripting capabilities found in Correlator3D allow us to efficiently deliver consistent datasets on 1,300 acres (526 hectares) on a weekly basis for this project, and even on projects over 5,000 acres (about 2,000 hectares), for our site monitoring, topo and volumetric projects.”

Founded in 2014, Extreme Aerial Productions – based in Sottsdale, Airzona – works in all 50 US states, is FAA-approved for commercial drone operations and is involved in a wide range of services such as construction, topographic surveys, thermal drone inspections and even in film productions. Additionally, the company is specialized in virtual reality (VR) drone videos suitable for creating virtual tours, 3D maps and immersive VR video experiences.

https://www.gim-international.com/content/news/monitoring-major-construction-project-in-desert-with-correlator3d