

At Geodomisi Ltd. we are employing UAVs / Drones for Civil & Geotechnical Engineering Projects Inspection

Roads and bridges. Retaining Walls and Trenches, Pavements and Wearing Courses. Concrete and steel. These are the building units of infrastructure, the arteries of the nation's economy. They transport community, people, ideas, foods, groceries and packages from all over the nation. Infrastructure requires constant inspection to make sure the projects' functionality is adequate, the steel holds up bridges and the concrete carries the anticipated actions and load of vehicles traveling over them. Proper inspection requires close proximity of inspector to the structure, which can be hard and risky / dangerous in certain areas or is requiring the lifting of personnel over and/or under bridges, shutting down traffic as well in certain cases. Additionally, inspection methods are occasionally limited by qualitative analysis and shortage of methods for rapid and accurate spatial measurements. In order to accelerate inspection speed, improve safety, reduce time and cost, avoid roadway closure, and provide spatial infrastructure civil and geotechnical engineering data, information and picture, our company Geodomisi Ltd. has invested fund and know-how for the implementation of Unmanned Aerial Systems / Vehicles (UAS / UAV). Image-based UAS / UAV bridge or other structures reconstruction, using the structure from motion (SfM) process, will provide all the data required for accurate quantitative inspection as well as providing illustrations and images for an incomparable qualitative visual analysis. Thus, Data drives decisions, and informed decisions will make better and intelligent infrastructure, bridges, soil retaining structures, rugged roads and other civil and geotechnical engineering projects in the nation.

